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Ohio Labor Market Information Review

February 1989

Summary. The seasonally adjusted unemployment rate in Ohio fell from 6.1 percent in January to 5.2 percent in February 1989. The rate for the country as a whole dropped from 5.4 percent to 5.1 percent. Total employment in Ohio rose for the fifth straight month to an all-time high of 5,152,000, up 58,000 from January. The number of workers unemployed in the State, at 280,000, was down 52,000 from last month. Seasonally adjusted nonagricultural wage and salary employment totaled 4,773,000 in February, up 9,000 from January. (See page 3.)

Factory Employment. Manufacturing employment totaled 1,118,000 in February, a decline of 4,000 from January. Losses among producers of durable goods, especially fabricated metal products, accounted for most of the change. Employment in durable goods was reduced from 757,000 in January to 754,000 in February, while nondurable goods was fractionally lower over the month.

Nonmanufacturing. Ohio's nonmanufacturing employment rose 13,000 from January to 3,655,000 in February. The improvement was concentrated in services, up 4,000, and in retail trade and government, up 3,000 each. Employment in construction and finance, insurance, and real estate advanced slightly. Other major divisions in nonmanufacturing registered no changes in February.

Over the Year. Ohio's unemployment rate dropped from 6.4 percent in February 1988 to 5.2 percent in February 1989. The U.S. rate, at 5.1 percent in February 1989, was down from 5.7 percent a year ago. Total employment in the State advanced 138,000 from February 1988; the number unemployed dropped 61,000. Nonagricultural wage and salary employment rose 128,000 over the year, boosted by significant increases in services (+43,000) and retail trade (+31,000). Noteworthy improvements were also reported in construction and wholesale trade. With the exception of mining, where no improvement was reported, other nonmanufacturing divisions also registered gains. Manufacturing employment increased 15,000 from February 1988 to February 1989. Most of the change was recorded in durable-goods industries.

Factory Hours and Earnings. Manufacturing production workers in Ohio earned $526.68 in February, down $.79 from January. Their average workweek, 43.1 hours, was .1 hours shorter. Sizable declines in hours and earnings due to less overtime in iron and steel foundries, nonferrous rolling and drawing mills, and paperboard containers and boxes were nearly offset by increases in motor vehicles and equipment.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 46,056 in February, down 41.4 percent from January 1989; down 19.0 percent from February 1988. The average weekly benefit check increased $2.49 to $161.04 over the month.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Total benefits paid were up 12.1 percent to $64.1 million. The average weekly number of benefit recipients rose 13.1 percent from January to 102,045 in February. There were 202,136 active employer accounts at the end of the month.

Employment Service. The Ohio Bureau of Employment Services assisted 39,842 new job applicants in February, up 5.0 percent from January, but down 9.1 percent from February 1988. Job openings received from employers declined 15.1 percent from January, to 9,402. The Employment Services Division made 24,630 job referrals and 4,366 placements.

Job Training Partnership and Your Business

JTP-Ohio is a state job training program under the Job Training Partnership Act (JTPA). The federal law, JTPA, provides states with funds to help youths and adults who are unemployed, dislocated, or have other barriers to employment, train for jobs and become employed.

There are three basic program classifications under JTPA.

* Training and retraining for economically disadvantaged youths and adults are created under Title II-A.
* Summer employment programs for youths are authorized under Title II-B.
* Programs to serve dislocated workers whose jobs are lost through plant closings, permanent layoffs, or other causes beyond their control, are authorized under Title III.

For further information about JTP-Ohio, contact your local Ohio Bureau of Employment Services office, JTPA office, Private Industry Council or the state JTP-Ohio office at (614) 466-3817.

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	February 1989	January 1989	February 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,432	5,426	5,355	6	77	0.1	1.4
Employment	5,152	5,094	5,014	58	138	1.1	2.8
Unemployment	280	332	341	-52	-61	-15.7	-17.9
Unemployment Rate	5.2	6.1	6.4				
Employer Survey Data[e]							
Total	4,773	4,764	4,644	9	128	0.2	2.8
Manufacturing	1,118	1,122	1,103	-4	15	-0.4	1.4
Durable Goods	754	757	743	-3	11	-0.4	1.5
Nondurable Goods	364	364	359	-1	4	-0.3	1.1
Nonmanufacturing	3,655	3,642	3,542	13	113	0.3	3.2
Mining	19	19	20	0	0	1.2	-1.3
Construction	197	196	182	1	15	0.5	8.0
Transportation and Public Utilities	214	213	210	0	4	0.1	1.7
Wholesale Trade	260	259	251	0	9	0.1	3.5
Retail Trade	899	896	868	3	31	0.4	3.6
Finance, Insurance, and Real Estate	254	253	247	1	6	0.4	2.5
Services	1,116	1,112	1,073	4	43	0.4	4.0
Government	696	693	690	3	6	0.4	0.8
Goods Producing Industries[f]	1,334	1,337	1,304	-3	30	-0.2	2.3
Service Producing Industries[g]	3,438	3,427	3,340	11	98	0.3	2.9

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.
[b]Changes are computed from unrounded numbers.
[c]Percentages are computed from unrounded numbers.
[d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.
[e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.
[f]Includes Mining, Construction, and Manufacturing.
[g]Includes Transportation and Public Utilties, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,282	4,837	445	8.4	6.6	1987 February
5,220	4,837	383	7.3	6.5	March
5,237	4,856	381	7.3	6.3	April
5,290	4,897	393	7.4	6.3	May
5,261	4,885	376	7.1	6.1	June
5,272	4,895	377	7.2	6.0	July
5,242	4,877	365	7.0	6.0	August
5,213	4,921	292	5.6	5.9	September
5,231	4,910	321	6.1	6.0	October
5,270	4,946	324	6.1	5.9	November
5,279	4,949	330	6.3	5.8	December
5,324	4,981	343	6.4	5.8	1988 January
5,355	5,014	341	6.4	5.7	February
5,369	4,974	395	7.4	5.6	March
5,301	4,970	331	6.2	5.5	April
5,284	4,960	324	6.1	5.6	May
5,306	4,994	312	5.9	5.4	June
5,294	5,004	290	5.5	5.4	July
5,329	5,028	301	5.6	5.6	August
5,311	5,004	307	5.8	5.4	September
5,349	5,049	300	5.6	5.3	October
5,366	5,059	307	5.7	5.4	November
5,355	5,060	295	5.5	5.3	December
5,426	5,094	332	6.1	5.4	1989 January
5,432	5,152	280	5.2	5.1	February

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

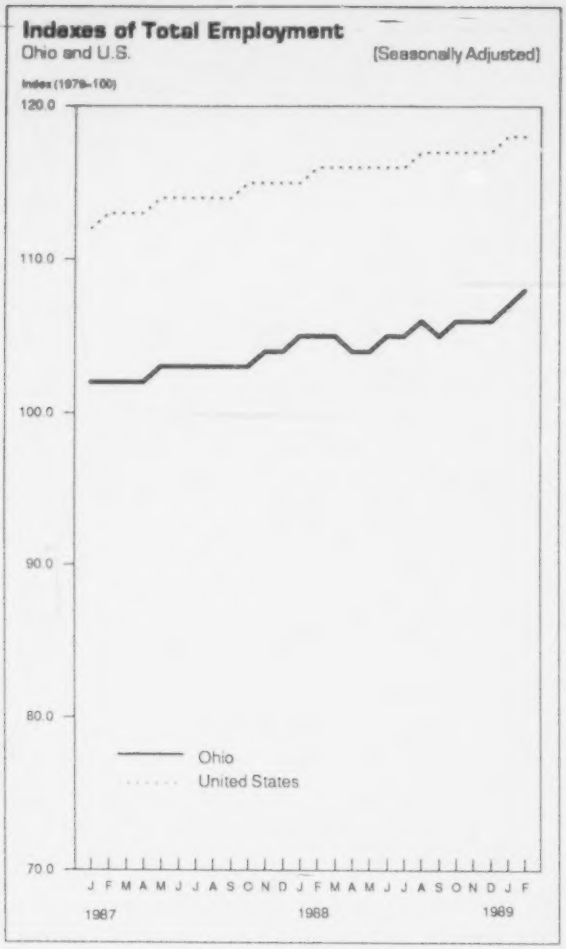
Total Nonagricultural Employment	Manufacturing Employment			
		Durable	Nondurable	
4,551	1,099	742	357	1987 February
4,549	1,094	737	357	March
4,552	1,096	739	357	April
4,563	1,096	738	358	May
4,568	1,093	736	357	June
4,576	1,091	732	359	July
4,588	1,098	739	359	August
4,596	1,101	743	358	September
4,617	1,105	745	360	October
4,631	1,106	746	360	November
4,650	1,110	748	362	December
4,637	1,104	744	360	1988 January
4,644	1,103	743	359	February
4,653	1,097	737	360	March
4,656	1,101	742	360	April
4,661	1,100	742	359	May
4,671	1,102	742	360	June
4,676	1,101	742	359	July
4,680	1,100	741	358	August
4,691	1,103	743	359	September
4,704	1,105	746	360	October
4,721	1,110	750	361	November
4,733	1,111	750	362	December
4,764	1,122	757	364	1989 January
4,773	1,118	754	364	February

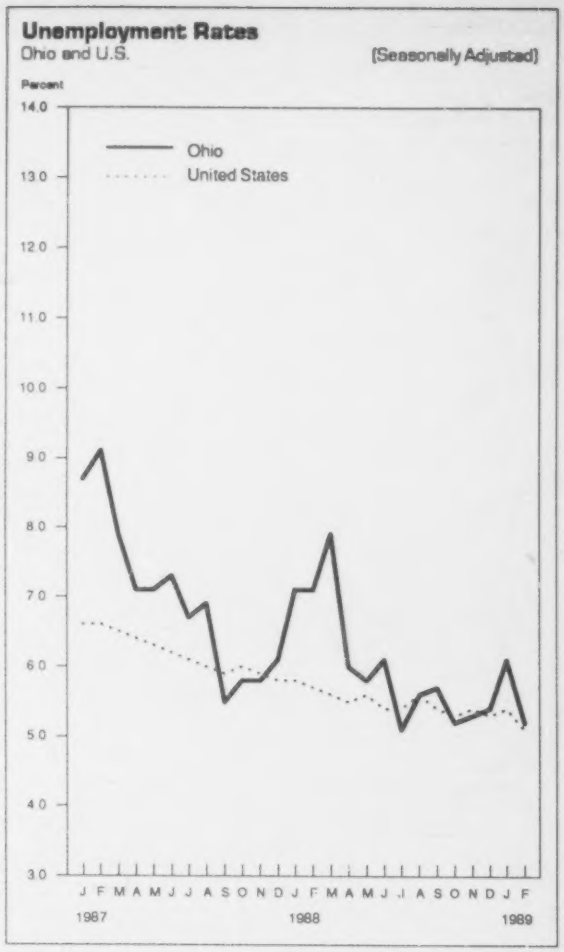
Nonmanufacturing Employment

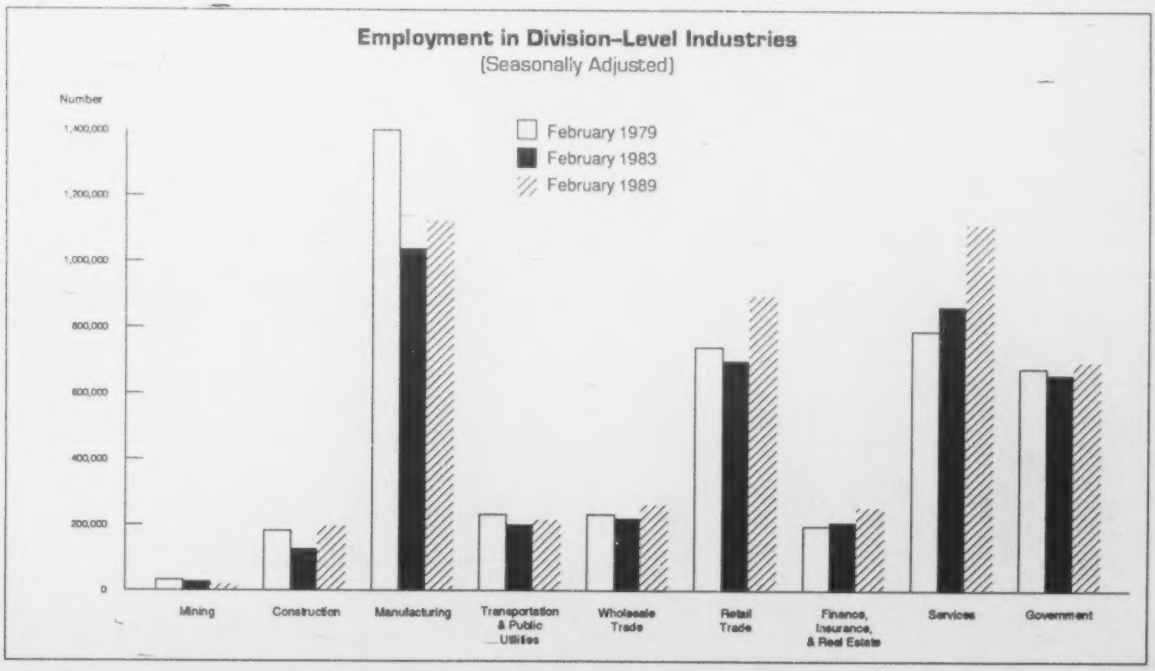
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,452	22	174	206	246	1987 February	842	240	1036	686
3,455	21	174	206	246	March	844	241	1037	686
3,456	21	173	206	246	April	841	242	1040	687
3,467	21	174	207	247	May	844	243	1043	688
3,475	21	176	207	247	June	845	244	1048	688
3,484	20	178	209	248	July	847	244	1053	685
3,490	21	176	209	248	August	849	245	1055	687
3,495	20	177	209	249	September	850	246	1059	685
3,512	21	178	209	251	October	856	247	1062	688
3,525	21	180	210	251	November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
3,533	20	181	210	251	1988 January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	19	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	19	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	19	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
3,642	19	196	213	259	1989 January	896	253	1112	693
3,655	19	197	214	260	February	899	254	1116	696

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
United States
J F M A M J J A S O N D J F M A M J J A S O N D J F
1987
1988
1989


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
Ohio
United States
J F M A M J J A S O N D J F M A M J J A S O N D J F
1987
1988
1989


Employment in Division-Level Industries
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
February 1979
February 1983
February 1989
Mining
Construction
Manufacturing
Transportation & Public Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, & Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,254	4,887	367	7.0	6.2	1987
5,328	5,008	320	6.0	5.5	1988
					1988
5,298	4,923	376	7.1	6.2	February
5,316	4,898	418	7.9	5.9	March
5,281	4,964	317	6.0	5.3	April
5,269	4,966	303	5.8	5.4	May
5,353	5,028	325	6.1	5.5	June
5,366	5,093	274	5.1	5.5	July
5,376	5,076	301	5.6	5.4	August
5,287	4,985	302	5.7	5.2	September
5,365	5,087	278	5.2	5.0	October
5,400	5,113	287	5.3	5.2	November
5,352	5,066	286	5.4	5.0	December
					1989
5,384	5,015	369	6.9	6.0	January
5,380	5,063	317	5.9	5.6	February

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Total Nonagricultural Employment	Manufacturing Employment			
		Durable	Nondurable	
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.6	1985
4,471.4	1,109.8	752.7	357.1	1986
4,582.6	1,096.9	740.4	356.4	1987
4,683.0	1,103.1	743.6	359.6	1988
				1988
4,549.1	1,092.3	737.2	355.1	February
4,586.2	1,089.6	733.9	355.8	March
4,642.7	1,098.5	741.8	356.7	April
4,692.3	1,100.5	743.2	357.3	May
4,715.4	1,107.6	746.9	360.7	June
4,678.8	1,100.8	741.5	359.4	July
4,679.1	1,102.1	740.5	361.6	August
4,731.7	1,110.5	745.6	364.9	September
4,757.7	1,110.3	747.8	362.5	October
4,834.7	1,115.7	753.3	362.3	November
4,781.8	1,115.1	752.5	362.6	December
				1989
4,669.0	1,112.2	751.4	360.8	January
4,672.3	1,107.4	748.3	359.2	February

Nonmanufacturing Employment
(in thousands)

Total Nonmanu-facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	
3,017.7	29.0	176.6	225.0	226.0	1978
3,102.5	31.6	182.9	232.1	232.8	1979
3,103.0	30.7	167.4	223.1	230.6	1980
3,085.1	30.7	153.7	217.2	232.5	1981
3,024.4	30.3	134.6	206.8	226.0	1982
3,026.5	26.6	130.8	198.5	222.5	1983
3,133.1	27.8	144.8	203.9	236.7	1984
3,248.6	26.1	154.0	202.7	243.7	1985
3,361.6	22.6	160.7	203.4	244.3	1986
3,483.7	20.9	176.4	207.8	248.0	1987
3,579.8	19.5	183.6	211.5	254.3	1988
					1988
3,456.8	18.9	150.4	205.2	248.3	February
3,496.6	18.8	159.8	206.6	249.8	March
3,544.3	19.1	172.1	209.4	251.6	April
3,591.8	19.2	182.8	211.5	253.5	May
3,607.8	19.6	191.2	213.1	255.8	June
3,578.0	19.8	199.5	213.4	256.1	July
3,577.0	19.8	202.5	213.9	256.3	August
3,621.2	19.8	202.0	214.8	256.5	September
3,647.4	19.8	203.0	215.0	258.4	October
3,719.0	19.7	197.4	214.7	258.5	November
3,666.6	19.5	188.0	215.3	259.1	December
					1989
3,556.9	18.9	167.0	208.7	256.9	January
3,564.9	18.7	162.4	208.7	256.9	February

Retail Trade	Finance, Insurance, & Real Estate	Services	Government	
730.4	191.1	772.1	667.5	1978
742.4	200.6	806.2	674.0	1979
726.6	203.8	830.9	689.9	1980
717.7	205.8	851.6	676.0	1981
703.4	206.4	857.3	659.6	1982
711.0	207.8	873.3	656.1	1983
748.0	211.5	905.2	655.2	1984
787.9	219.3	949.5	665.2	1985
818.6	232.3	1,001.0	678.9	1986
848.3	243.8	1,051.2	687.3	1987
876.5	249.8	1,087.8	696.8	1988
				1988
837.6	244.8	1,049.4	702.1	February
845.7	246.1	1,061.5	706.3	March
859.6	247.5	1,079.8	705.2	April
873.2	249.0	1,092.8	709.9	May
879.7	251.4	1,104.1	692.9	June
881.1	252.8	1,103.1	652.2	July
886.2	253.3	1,104.7	640.3	August
888.2	251.8	1,109.8	678.3	September
891.8	252.1	1,105.1	702.2	October
906.0	252.1	1,102.1	768.5	November
921.4	252.4	1,101.0	710.0	December
				1989
877.0	250.3	1,083.4	694.5	January
867.5	251.0	1,091.9	707.8	February

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

	Manufacturing Employment				Production Workers in Manufacturing		
	Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
	1,377.2	974.5	402.7	1978	985.5	$302.5	41.5
	1,382.3	980.5	401.8	1979	979.0	318.5	40.6
	1,264.3	882.6	381.8	1980	867.8	301.9	35.2
	1,232.6	860.4	372.2	1981	847.7	330.4	34.7
	1,099.9	752.4	347.5	1982	735.7	297.1	29.5
	1,066.0	723.6	342.4	1983	721.6	315.4	29.9
	1,127.0	773.4	353.6	1984	781.5	362.3	33.1
	1,124.3	768.7	355.5	1985	773.4	369.7	32.5
	1,109.8	752.7	357.1	1986	758.5	369.1	31.9
	1,098.9	740.4	358.4	1987	751.4	375.5	32.0
	1,103.1	743.6	359.6	1988	759.1	391.7	32.6
				1988			
	1,092.3	737.2	355.1	February	750.7	377.5	31.8
	1,089.6	733.9	355.8	March	747.6	380.2	31.9
	1,098.5	741.8	356.7	April	755.3	389.4	32.5
	1,100.5	743.2	357.3	May	757.3	391.1	32.6
	1,107.6	746.9	360.7	June	762.4	397.8	33.0
	1,100.8	741.5	359.4	July	754.9	379.4	31.9
	1,102.1	740.5	361.6	August	756.7	382.1	32.1
	1,110.5	745.6	364.9	September	765.9	399.6	33.2
	1,110.3	747.8	362.5	October	765.5	400.4	33.1
	1,115.7	753.3	362.3	November	771.1	410.1	33.7
	1,115.1	752.5	362.6	December	770.1	411.5	33.7
				1989			
	1,112.2	751.4	360.8	January	766.2	404.1	33.1
	1,107.4	748.3	359.2	February	762.0	401.3	32.8

	Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
	$306.91	$316.83	$279.30	1978	42.1	42.3	41.5	1978	$ 7.29	$ 7.49	$ 6.73
	325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
	347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
	389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
	403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
	437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
	463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
	477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
	486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
	499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
	516.00	538.59	465.47	1988	43.0	43.4	42.2	1988	12.00	12.41	11.03
				1988				1988			
	502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92
	508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97
	516.86	538.22	465.89	April	43.0	43.3	42.2	April	12.02	12.43	11.04
	516.43	540.27	460.90	May	43.0	43.5	41.9	May	12.01	12.42	11.00
	521.77	547.87	464.62	June	43.3	43.9	42.2	June	12.05	12.48	11.01
	502.52	521.85	461.47	July	42.3	42.6	41.8	July	11.88	12.25	11.04
	504.98	525.21	460.22	August	42.4	42.7	41.8	August	11.91	12.30	11.01
	521.77	545.38	469.63	September	43.3	43.7	42.5	September	12.05	12.48	11.05
	523.06	546.69	467.84	October	43.3	43.7	42.3	October	12.08	12.51	11.06
	531.83	557.80	472.43	November	43.7	44.2	42.6	November	12.17	12.62	11.09
	534.36	557.80	479.62	December	43.8	44.2	42.9	December	12.20	12.62	11.18
				1989				1989			
	527.47	551.06	472.36	January	43.2	43.7	42.1	January	12.21	12.61	11.22
	526.68	548.10	474.18	February	43.1	43.5	42.0	February	12.22	12.60	11.29

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

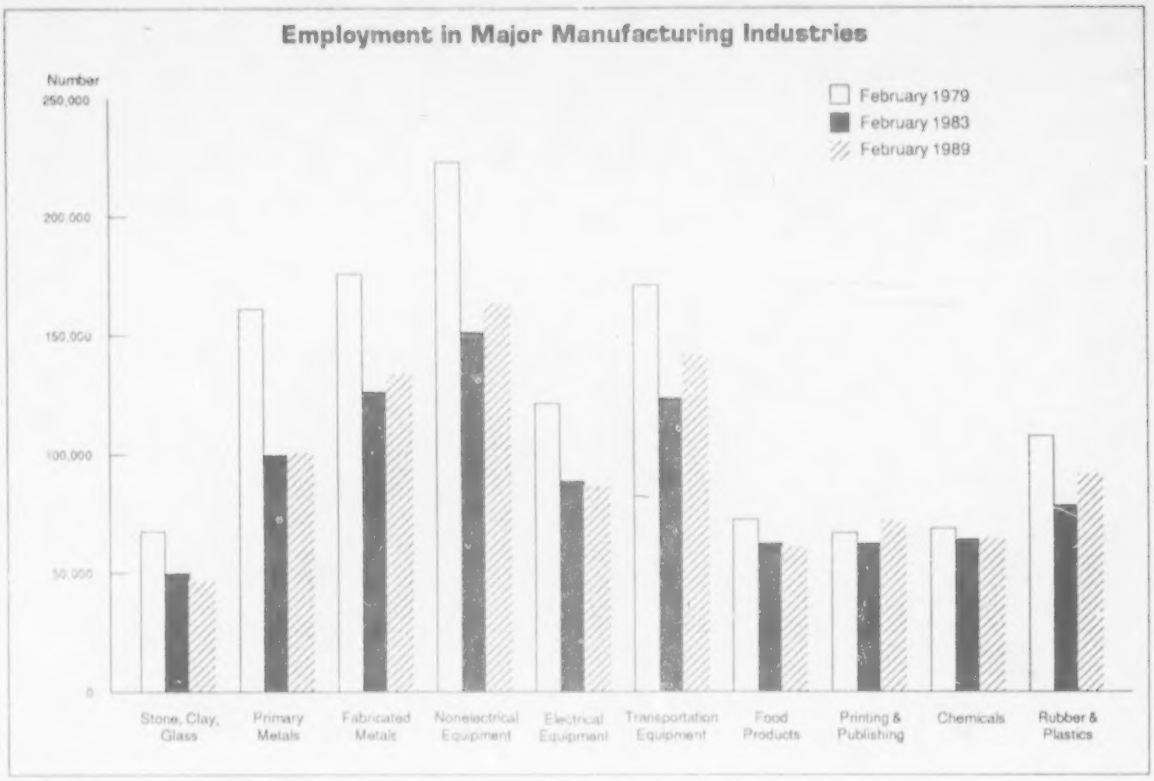
Employment
(thousands)

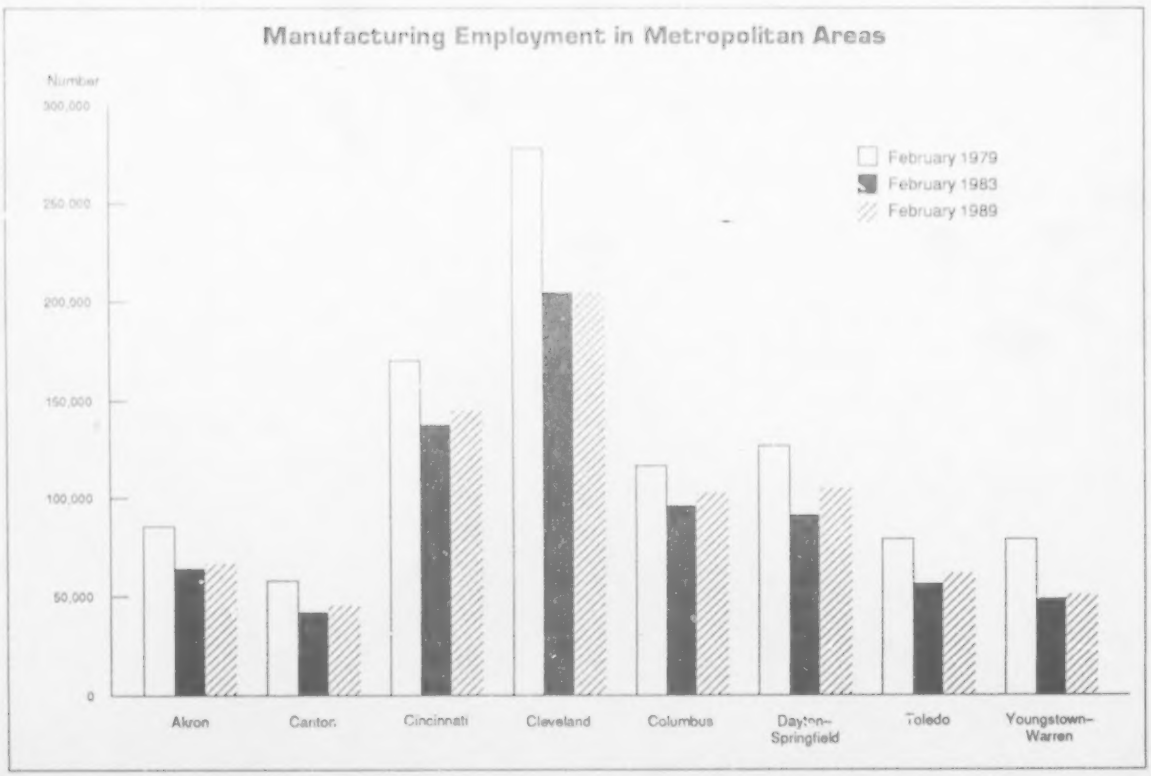
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.0	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
46.3	98.7	131.7	February	155.9	86.2	144.5	February	60.5	71.4	90.1
46.9	99.3	132.4	March	156.8	86.1	137.8	March	60.9	71.3	90.1
47.6	99.1	133.0	April	157.7	86.0	143.4	April	61.0	71.0	90.7
48.0	100.0	133.5	May	157.1	86.3	142.7	May	61.3	70.7	90.7
48.7	100.3	134.5	June	158.2	86.6	141.9	June	62.4	71.3	91.4
48.6	98.5	132.7	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.6	100.6	133.8	February	163.1	86.0	141.3	February	60.9	71.8	91.4

Average Weekly Earnings of Production Workers

$274.81	$366.24	$307.23	1978	$306.16	$268.45	$389.66	1978	$281.15	$285.18	$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	436.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
453.90	610.54	506.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
456.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
465.43	620.83	511.63	February	548.78	474.05	712.65	February	443.56	452.78	455.76

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.


Employment in Major Manufacturing Industries
Number
250,000
200,000
150,000
100,000
50,000
0
February 1979
February 1983
February 1989
Stone, Clay, Glass
Primary Metals
Fabricated Metals
Nonelectrical Equipment
Electrical Equipment
Transportation Equipment
Food Products
Printing & Publishing
Chemicals
Rubber & Plastics


Manufacturing Employment in Metropolitan Areas
Number
300,000
250,000
200,000
150,000
100,000
50,000
0
February 1979
February 1983
February 1989
Akron
Canton
Cincinnati
Cleveland
Columbus
Dayton–Springfield
Toledo
Youngstown–Warren

Nonagricultural Wage and Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Total	4672.3	4669.0	4549.1	3.3	123.2
Manufacturing	1107.4	1112.2	1092.3	-4.8	15.1
Durable Goods[e]	748.3	751.4	737.2	-3.1	11.1
Lumber and wood products	22.2	22.7	20.3	-.5	2.0
Furniture and fixtures	15.3	15.0	15.0	.3	.3
Stone, clay, and glass products	46.6	47.0	46.3	-.4	.3
Glass and glassware, pressed or blown	8.7	8.6	8.9	.1	-.2
Primary metal industries	100.6	101.3	98.7	-.7	1.9
Blast furnace and basic steel products	45.5	45.6	45.6	-.1	-.2
Iron and steel foundries	20.2	20.4	19.2	-.2	1.0
Nonferrous rolling and drawing	17.5	17.9	17.1	-.4	.4
Fabricated metal products	133.8	134.9	131.7	-1.1	2.1
Cutlery, hand tools, and hardware	10.1	10.2	9.9	-.2	.1
Fabricated structural metal products	28.0	28.4	28.3	-.5	-.3
Metal forgings and stampings	41.1	41.9	40.8	-.8	.3
Machinery, except electrical	163.1	163.0	155.9	.1	7.2
Construction and related machinery	13.6	13.6	13.4	.1	.2
Metalworking machinery	42.5	42.4	40.7	.1	1.7
Special industry machinery	18.3	18.4	16.4	.0	2.0
General industrial machinery	28.9	28.9	28.0	-.1	.9
Office and computing machines	12.5	12.5	13.1	.0	-.6
Refrigeration and service machinery	16.2	16.3	15.8	.0	.4
Electric and electronic equipment	86.0	86.5	86.2	-.6	-.2
Electrical industrial apparatus	17.7	17.6	16.6	.1	1.1
Household appliances	15.7	16.1	15.7	-.4	-.1
Electric lighting and wiring equipment	17.3	17.4	17.2	-.1	.1
Communication equipment	9.0	9.1	9.4	-.1	-.4
Transportation equipment	141.3	141.6	144.5	-.3	-3.2
Motor vehicles and equipment	96.0	96.4	95.2	-.4	.8
Aircraft and parts	36.6	36.6	40.4	.0	-3.9
Instruments and related products	24.6	24.5	24.3	.1	.3
Measuring and controlling devices	13.4	13.4	13.5	-.1	-.1
Nondurable Goods[f]	359.2	360.8	355.1	-1.6	4.1
Food and kindred products	60.9	62.5	60.5	-1.6	.4
Meat products	8.5	8.7	8.7	-.3	-.2
Dairy products	9.3	9.5	9.3	-.2	.0
Preserved fruits and vegetables	11.5	12.1	10.8	-.6	.7
Bakery products	9.2	9.4	9.2	-.2	-.1
Beverages	8.7	8.9	9.0	-.2	-.2
Apparel and other textile products	15.7	15.6	15.1	.1	.6
Paper and allied products	37.3	37.5	37.0	-.2	.3
Misc. converted paper products	12.1	12.2	11.8	-.1	.3
Paperboard containers and boxes	13.2	13.3	13.0	-.1	.2
Printing and publishing	71.8	71.9	71.4	-.1	.5
Newspapers	18.9	19.0	18.8	-.1	.1
Commercial printing	28.2	28.1	27.8	.1	.4
Chemicals and allied products	64.7	64.6	64.0	.1	.7
Industrial inorganic chemicals	9.0	9.0	9.1	.0	-.2
Rubber and misc. plastics products	91.4	91.3	90.1	.1	1.3
Tires and inner tubes	14.4	14.4	14.5	.0	-.1
Miscellaneous plastics products	56.7	56.5	55.5	.2	1.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3564.9	3556.9	3456.8	8.0	108.1
Mining	18.7	18.9	18.9	-.2	-.2
Bituminous coal and lignite mining	7.7	7.7	8.1	.0	-.4
Oil and gas extraction	6.8	6.9	6.9	-.1	-.1
Construction	162.4	167.0	150.4	-4.6	12.1
General building contractors	42.7	44.2	40.3	-1.5	2.4
Heavy construction contractors	16.1	16.8	15.2	-.6	.9
Highway and street construction	4.4	4.6	4.3	-.2	.1
Special trade contractors	103.6	106.1	94.9	-2.4	8.8
Transportation and Public Utilities	208.7	208.7	205.2	.0	3.5
Railroad transportation	12.7	12.8	12.7	-.1	-.1
Transportation, except railroads	108.7	108.5	104.4	.2	4.2
Trucking and warehousing	74.2	73.8	72.4	.4	1.8
Communication, electric, gas services	87.4	87.4	88.1	.0	-.7
Communication	45.7	45.7	46.8	.0	-1.0
Electric, gas, and sanitary services	41.6	41.7	41.3	.0	.3
Wholesale Trade	256.9	256.9	248.3	.0	8.6
Wholesale trade-durable goods	162.8	162.6	157.7	.2	5.1
Motor vehicles & automotive equipment	22.8	22.8	22.1	.0	.7
Electrical goods	18.3	18.3	18.4	.0	-.1
Machinery, equipment, and supplies	69.8	69.6	67.7	.2	2.1
Wholesale trade-nondurable goods	94.1	94.3	90.6	-.2	3.5
Groceries and related products	29.9	30.1	29.1	-.2	.8
Retail Trade	867.5	877.0	837.6	-9.5	29.9
General merchandise stores	118.7	124.6	116.7	-5.9	2.0
Department stores	101.4	106.9	100.7	-5.6	.7
Food stores	142.0	142.5	135.0	-.5	6.9
Automotive dealers & service stations	95.3	95.5	92.6	-.2	2.7
Apparel and accessory stores	44.7	46.2	42.4	-1.5	2.3
Eating and drinking places	288.6	288.0	283.4	.6	5.2
Finance, Insurance, and Real Estate	251.0	250.3	244.8	.7	6.2
Banking	64.2	64.1	62.9	.1	1.3
Credit agencies other than banks	38.3	38.1	37.8	.1	.4
Insurance carriers	70.0	69.9	69.3	.1	.7
Life insurance	25.9	25.9	25.7	.0	.3
Fire, marine, and casualty insurance	30.9	30.9	30.7	.0	.3
Services	1091.9	1083.4	1049.4	8.4	42.4
Hotels and other lodging places	34.9	34.7	33.8	.2	1.2
Personal services	59.2	58.9	57.3	.3	1.9
Laundry, cleaning, & garment services	18.6	18.7	18.1	-.1	.5
Business services	227.3	226.1	211.6	1.1	15.7
Services to buildings	31.9	31.7	30.3	.2	1.6
Computer and data processing services	22.7	22.7	21.0	.0	1.7
Amusement and recreation services	28.0	27.6	28.5	.3	-.5
Health services	375.1	374.6	365.1	.5	10.1
Nursing and personal care facilities	82.3	82.2	80.0	.1	2.3
Hospitals	184.3	184.0	181.1	.3	3.2
Educational services	68.0	64.0	66.1	4.0	1.8
Colleges and universities	38.3	34.9	37.1	3.5	1.3
Government	707.8	694.5	702.1	13.3	5.7
Federal government	94.8	95.0	94.3	-.1	.5
State government	163.1	157.3	159.4	5.8	3.7
State government education	90.1	84.0	86.5	6.1	3.6
State government, except education	73.0	73.3	72.9	-.3	.1
Local government	449.8	442.3	448.4	7.6	1.4
Local government education	266.1	258.7	267.2	7.3	-1.2
Local government, except education	183.8	183.5	181.2	.2	2.6

See footnotes on page 13.

Ohio

Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Manufacturing	$526.68	$527.47	$502.86	43.1	43.2	42.4	$12.22	$12.21	$11.86
Durable Goods[e]	548.10	551.06	525.16	43.5	43.7	42.8	12.60	12.61	12.27
Lumber and wood products	316.36	318.37	288.25	40.3	40.3	38.9	7.85	7.90	7.41
Furniture and fixtures	366.79	355.39	356.49	40.8	39.4	40.1	8.99	9.02	8.89
Stone, clay, and glass products	485.43	462.34	453.90	42.7	42.3	42.5	10.90	10.93	10.68
Glass and glassware, pressed or blown	499.36	473.28	478.40	42.9	40.8	41.1	11.64	11.60	11.64
Primary metal industries	620.83	629.95	610.54	44.6	44.9	44.5	13.92	14.03	13.72
Blast furnace and basic steel products	640.72	634.13	652.74	44.9	44.5	46.0	14.27	14.25	14.19
Iron and steel foundries	656.30	698.89	615.48	45.2	47.0	43.9	14.52	14.87	14.02
Nonferrous rolling and drawing	637.22	658.80	590.81	42.2	43.2	41.2	15.10	15.25	14.34
Fabricated metal products	511.63	520.22	508.89	42.6	43.1	42.8	12.01	12.07	11.89
Cutlery, hand tools, and hardware	492.28	510.41	477.00	39.7	40.8	40.7	12.40	12.51	11.72
Fabricated structural metal products	455.52	466.20	447.95	41.6	42.0	41.4	10.95	11.10	10.82
Metal forgings and stampings	633.28	633.04	631.18	44.1	43.9	44.2	14.36	14.42	14.28
Machinery, except electrical	548.78	551.15	511.81	44.4	44.7	43.3	12.36	12.33	11.82
Construction and related machinery	446.61	431.26	418.61	41.7	40.8	41.0	10.71	10.57	10.21
Metalworking machinery	524.70	528.46	501.16	45.0	45.4	44.0	11.66	11.64	11.39
Special industry machinery	509.89	510.78	496.07	44.3	44.3	43.9	11.51	11.53	11.30
General industrial machinery	572.39	567.19	534.76	44.2	43.9	43.3	12.95	12.92	12.35
Office and computing machines	443.00	449.36	417.31	40.2	41.0	41.4	11.02	10.96	10.08
Refrigeration and service machinery	660.37	666.76	565.55	45.2	45.7	41.8	14.61	14.59	13.53
Electric and electronic equipment	474.05	481.38	477.57	42.1	42.6	42.3	11.26	11.30	11.29
Electrical industrial apparatus	496.84	501.52	504.00	44.4	44.5	45.0	11.19	11.27	11.20
Household appliances	494.46	505.78	497.28	41.0	41.8	41.2	12.06	12.10	12.07
Electric lighting and wiring equipment	485.10	497.35	482.16	42.0	42.4	42.0	11.55	11.73	11.48
Communication equipment	485.58	477.96	482.98	40.6	40.3	41.0	11.96	11.86	11.78
Transportation equipment	712.65	702.15	640.41	45.8	45.3	43.3	15.56	15.50	14.79
Motor vehicles and equipment	739.44	729.83	652.08	46.1	45.7	42.9	16.04	15.97	15.20
Aircraft and parts	649.22	644.10	633.75	45.4	45.2	45.3	14.30	14.25	13.99
Instruments and related products	365.49	372.13	361.17	39.3	40.1	39.3	9.30	9.28	9.19
Measuring and controlling devices	359.25	365.74	355.26	38.3	39.2	38.2	9.38	9.33	9.30
Nondurable Goods[f]	474.18	472.36	454.27	42.0	42.1	41.6	11.29	11.22	10.92
Food and kindred products	443.56	441.08	438.19	41.3	41.3	41.3	10.74	10.68	10.61
Meat products	372.74	354.56	357.37	41.6	40.2	39.1	8.96	8.82	9.14
Dairy products	467.18	452.20	477.17	42.9	42.5	43.3	10.89	10.64	11.02
Preserved fruits and vegetables	485.72	487.18	452.47	41.8	42.4	40.8	11.62	11.49	11.09
Bakery products	458.63	465.30	469.17	38.9	39.2	40.1	11.79	11.87	11.70
Beverages	416.97	413.76	421.43	39.3	39.9	40.6	10.61	10.37	10.38
Apparel and other textile products	299.77	309.62	289.48	39.6	39.9	38.7	7.57	7.76	7.48
Paper and allied products	491.02	504.83	485.30	43.3	44.4	43.8	11.34	11.37	11.08
Misc. converted paper products	431.15	446.86	419.19	42.9	44.2	42.3	10.05	10.11	9.91
Paperboard containers and boxes	423.11	448.21	433.30	41.4	43.6	43.2	10.22	10.28	10.03
Printing and publishing	452.78	445.02	433.83	39.1	38.9	38.7	11.58	11.44	11.21
Newspapers	369.96	366.09	352.85	33.3	33.1	33.1	11.11	11.06	10.66
Commercial printing	450.36	442.90	442.09	40.5	40.3	40.3	11.12	10.99	10.97
Chemicals and allied products	577.86	572.61	537.58	42.9	42.7	41.9	13.47	13.41	12.83
Industrial inorganic chemicals	595.88	599.50	585.42	43.4	43.6	43.3	13.73	13.75	13.52
Rubber and misc. plastics products	455.76	460.42	441.44	43.2	43.6	42.9	10.55	10.56	10.29
Tires and inner tubes	666.44	659.34	682.91	44.4	44.4	47.0	15.01	14.85	14.53
Miscellaneous plastics products	448.49	450.55	421.18	43.5	43.7	42.5	10.31	10.31	9.91

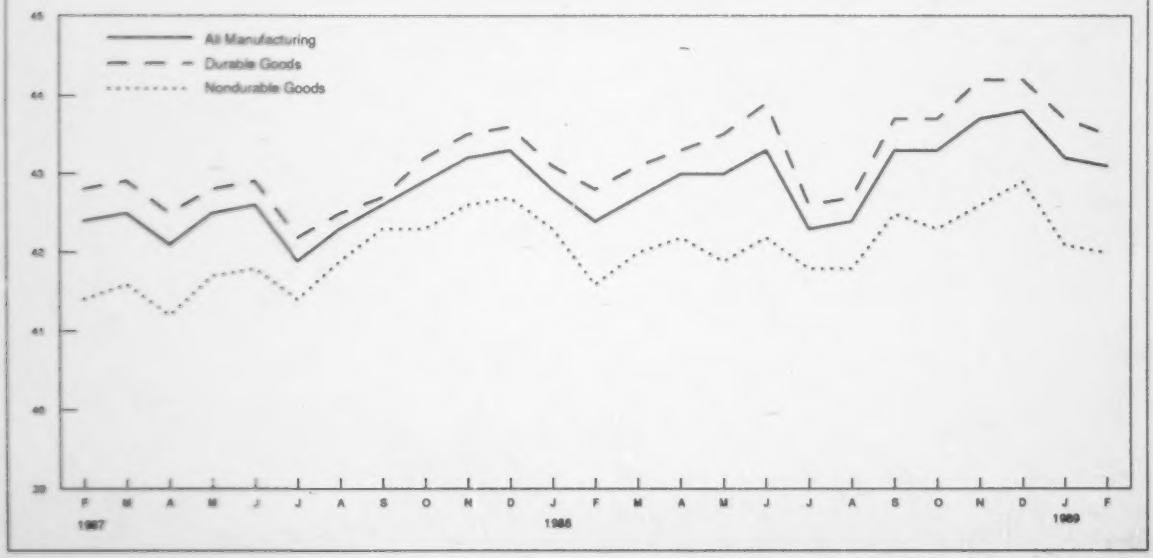
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

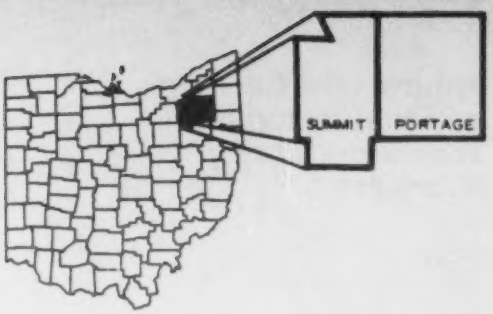
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Mining	$561.13	$564.20	$540.99	42.9	43.4	42.8	$13.08	$13.00	$12.64
Bituminous coal and lignite mining	696.27	695.84	659.66	42.9	42.9	43.2	16.23	16.22	15.27
Construction	558.74	576.06	556.48	37.2	38.2	37.0	15.02	15.08	15.04
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	562.99	569.21	550.90	40.3	40.6	40.3	13.97	14.02	13.67
Communication	539.75	540.71	534.36	39.6	39.7	39.7	13.63	13.62	13.46
Electric, gas, and sanitary services	589.79	601.54	571.70	41.1	41.6	41.1	14.35	14.46	13.91
Wholesale Trade	399.60	398.82	384.33	39.1	39.1	38.9	10.22	10.20	9.88
Wholesale trade-durable goods	389.61	390.82	379.85	39.0	39.2	39.2	9.99	9.97	9.69
Wholesale trade-nondurable goods	417.37	413.01	392.32	39.3	39.0	38.5	10.62	10.59	10.19
Retail Trade[h]	170.40	169.52	160.68	28.4	28.3	27.8	6.00	5.99	5.78
General merchandise stores	182.36	180.12	167.94	28.9	28.5	27.0	6.31	6.32	6.22
Department stores	187.46	185.12	171.45	29.2	28.7	27.0	6.42	6.45	6.35
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	271.55	271.66	262.79	....	....	....	.....	.....	.....
Credit agencies other than banks	276.06	275.32	262.23	....	....	....	.....	.....	.....
Insurance carriers	389.46	385.96	364.27	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	346.77	346.50	336.93	32.9	33.0	33.0	10.54	10.50	10.21

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries

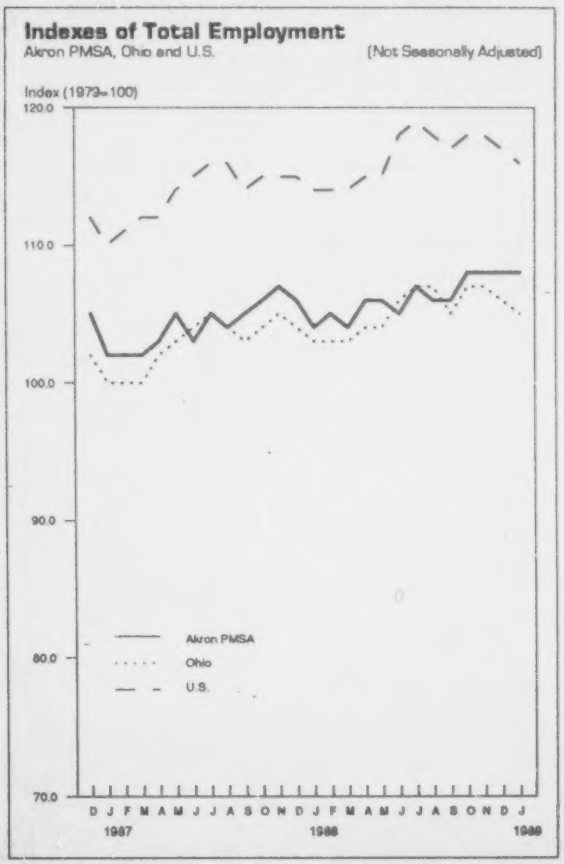


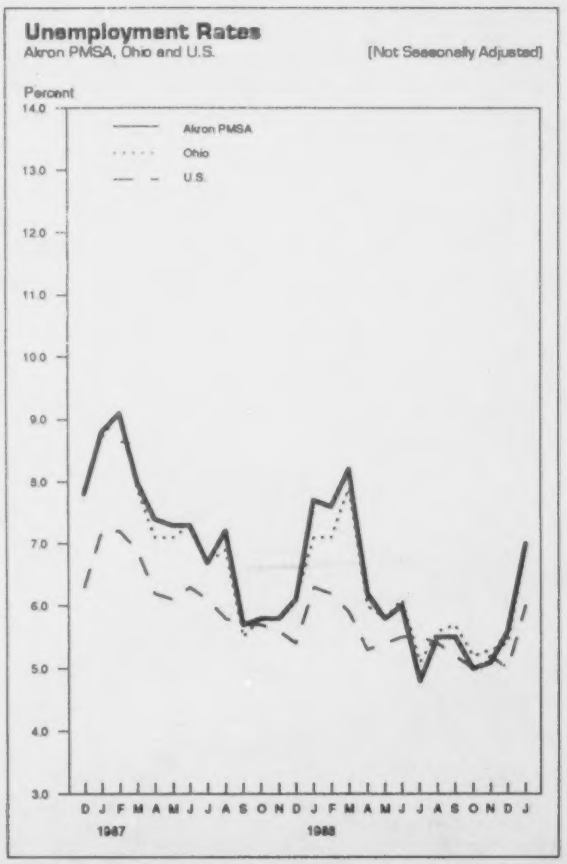
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Akron metropolitan area rose 6,400 from January to 274,700 in February 1989. The gain was concentrated in the nonmanufacturing sector due to a seasonal increase in nonteaching personnel in state colleges and the settlement of a labor-management dispute in local schools. Manufacturing employment was unchanged at 66,700. Factory production worker average hourly earnings were $11.44, down $.03 from January. Their average workweek remained at 42.7 hours.

Nonagricultural wage and salary employment advanced 10,000 between February 1988 and February 1989. Significant growth was recorded in services, especially business services, and in retail trade. The manufacturing division gained 1,700 workers over the year with improvements in nonelectrical machinery and miscellaneous plastics products. Employment declined in tires and inner tubes and chemicals and allied products.



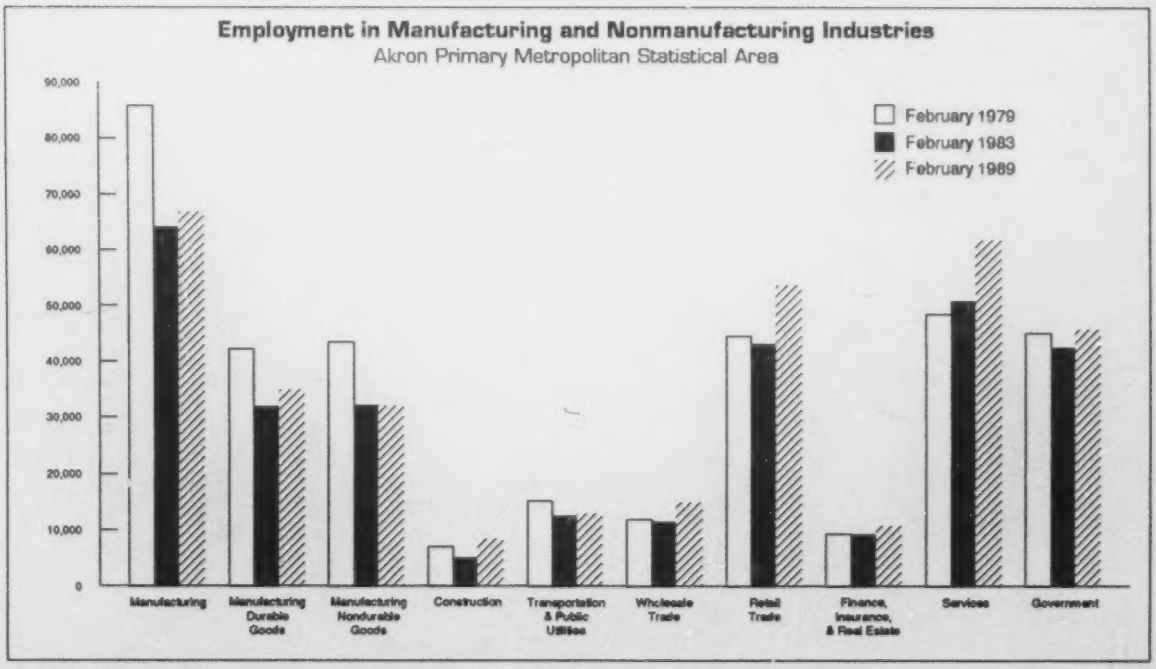


Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
320.2	295.6	24.7	7.7	January	260.1	65.0	36.4	489.89	43.2	11.34
326.0	301.4	24.6	7.6	February	264.7	65.0	36.6	488.05	43.0	11.35
327.8	301.2	26.6	8.1	March	268.3	65.7	37.3	495.07	43.2	11.46
324.0	304.0	19.9	6.2	April	270.8	65.9	37.3	512.60	43.7	11.73
322.4	303.8	18.6	5.8	May	273.8	65.8	37.6	504.88	43.3	11.66
322.0	302.9	19.1	5.9	June	270.4	66.4	38.0	518.62	44.1	11.76
324.5	309.1	15.5	4.8	July	270.6	66.0	37.7	493.93	43.1	11.46
324.7	306.7	17.9	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
331.0	307.7	23.2	7.0	January	268.3	66.8	39.1	489.77	42.7	11.47
INA	INA	INA	INA	February	274.7	66.7	39.1	488.49	42.7	11.44

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Total	274.7	268.3	264.7	6.4	10.0
Manufacturing	66.7	66.8	65.0	.0	1.7
Durable Goods[e]	34.8	34.7	33.5	.0	1.3
Fabricated metal products	10.9	11.0	10.8	-.1	.1
Machinery, except electrical	10.0	9.9	9.1	.1	.9
Metalworking machinery	3.4	3.5	3.2	-.1	.2
Nondurable Goods[f]	32.0	32.0	31.5	-.1	.5
Food and kindred products	2.8	2.9	2.8	-.1	.0
Chemicals and allied products	3.6	3.6	3.7	.0	-.2
Rubber and misc. plastics products	19.3	19.3	19.0	.0	.3
Tires and inner tubes	10.2	10.2	10.4	.0	-.3
Nonmanufacturing[g]	208.0	201.6	199.7	6.4	8.3
Construction	8.3	8.6	7.8	-.3	.5
Transportation and Public Utilities	12.9	12.9	12.6	.0	.3
Communication, electric, gas services	4.8	4.8	4.9	.0	.0
Wholesale Trade	14.9	14.8	14.1	.0	.8
Retail Trade	53.5	53.9	51.3	-.4	2.2
General merchandise stores	6.4	6.8	6.3	-.4	.1
Finance, Insurance, and Real Estate	10.6	10.5	10.5	.0	.0
Banking	3.1	3.1	3.2	.0	-.1
Services	61.7	61.3	58.1	.4	3.6
Business services	14.0	13.9	11.9	.1	2.1
Amusement and recreation services	2.6	2.6	2.4	.1	.3
Health services	20.4	20.2	19.7	.1	.6
Government	45.6	38.9	44.8	6.7	.8
State government	16.9	12.6	16.3	4.3	.5
State government education[h]	14.0	9.6	13.4	4.3	.6
State government, except education	2.9	2.9	3.0	.0	-.1
Local government	26.1	23.7	26.0	2.4	.1
Local government education	15.2	12.8	14.7	2.4	.5
Local government, except education	10.9	10.9	11.3	.0	-.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Manufacturing	$488.49	$489.77	$488.05	42.7	42.7	43.0	$11.44	$11.47	$11.35
Durable Goods[e]	510.94	511.06	499.66	43.3	43.2	43.0	11.80	11.83	11.62
Fabricated metal products	625.91	629.34	604.22	42.9	42.9	43.5	14.59	14.67	13.89
Machinery, except electrical	480.94	470.48	454.35	46.2	45.9	44.5	10.41	10.25	10.21
Metalworking machinery	524.08	496.80	469.35	47.6	46.0	45.0	11.01	10.80	10.43
Nondurable Goods[f]	459.48	461.42	470.18	42.0	42.1	42.9	10.94	10.96	10.96
Food and kindred products	436.54	433.05	473.72	41.3	41.8	43.5	10.57	10.36	10.89
Chemicals and allied products	498.00	503.37	510.42	41.5	42.3	43.7	12.00	11.90	11.68
Rubber and misc. plastics products	470.85	467.99	494.60	43.0	42.7	44.2	10.95	10.96	11.19
Tires and inner tubes	756.70	756.90	784.18	47.0	47.1	49.6	16.10	16.07	15.81
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	573.06	573.46	559.14	40.7	40.7	40.4	14.08	14.09	13.84
Wholesale Trade	342.24	346.33	335.10	36.8	37.2	37.4	9.30	9.31	8.96
Retail Trade[h]	208.66	206.40	190.63	32.4	32.1	30.5	6.44	6.43	6.25

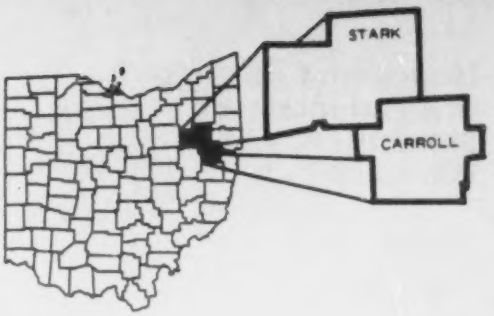
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	3,941	2,336	2,395
Active File of Job Seekers	18,169	15,390	17,782
Referrals to Jobs	2,685	938	819
Placements	172	198	192
Job Openings Received	399	1,379	346
Job Openings Unfilled	1,571	1,661	538
Unemployment Insurance Program			
Initial Claims	2,836	4,399	3,410
Continued Claims	30,097	32,475	39,429
First Payments	2,215	2,598	2,347
Last Payments	256	317	359
Weeks Compensated	26,706	24,591	31,549
Benefits Paid	$4,126,090	$3,754,003	$4,939,086
Average Weekly Payment	$160.36	$158.87	$159.40

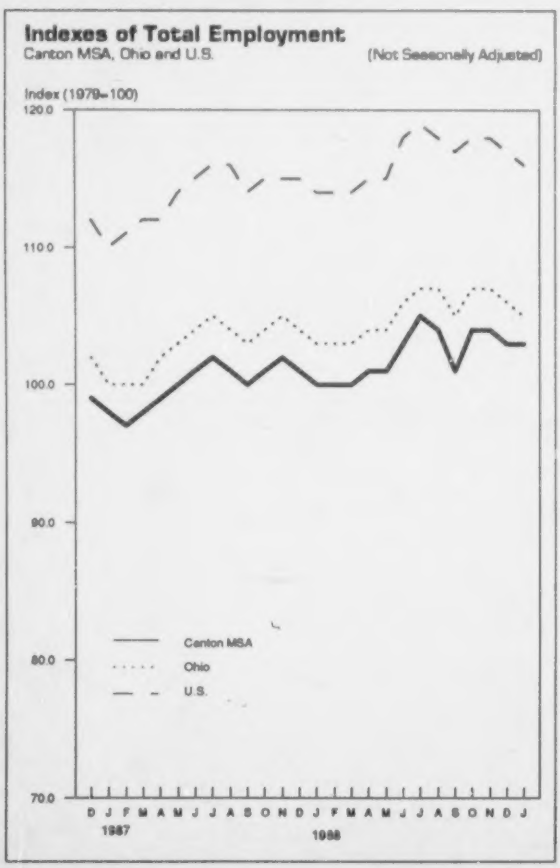
CANTON
METROPOLITAN STATISTICAL AREA

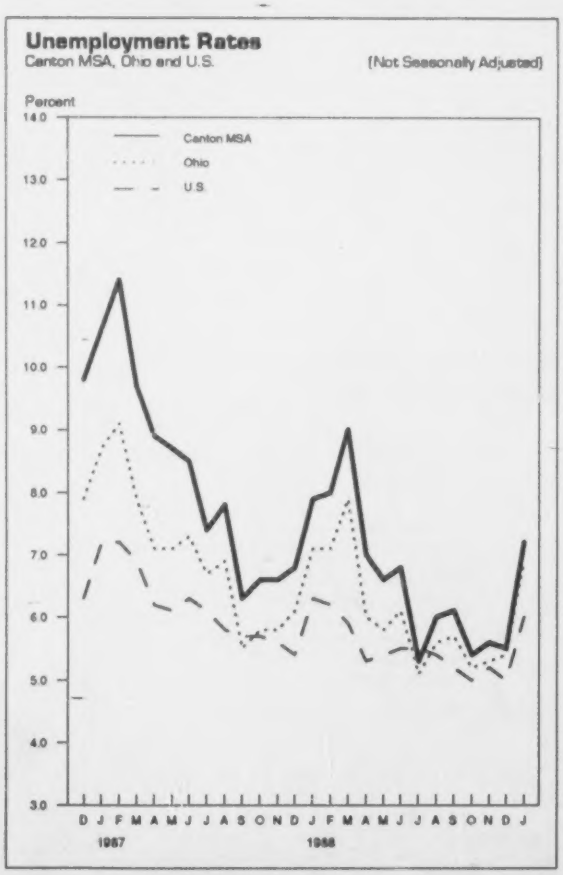


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, nonfarm payroll employment declined 700 from January to 159,300 in February 1989. Manufacturing employment at 45,300 was down 600, with losses in fabricated metal products and food and kindred products. Nonmanufacturing employment was unchanged over the month as scattered improvements offset declines in retail trade and construction. Factory production workers averaged $11.64 per hour, up $.03 from January. Their average workweek was .2 hours longer at 43.3 hours.

Nonagricultural wage and salary employment advanced 4,500 between February 1988 and February 1989. Noteworthy expansion occurred in services, retail trade, and construction. Manufacturing employment increased 1,000, with modest growth in primary metal industries and rubber and miscellaneous plastics products. Employment in fabricated metal products and food and kindred products declined.



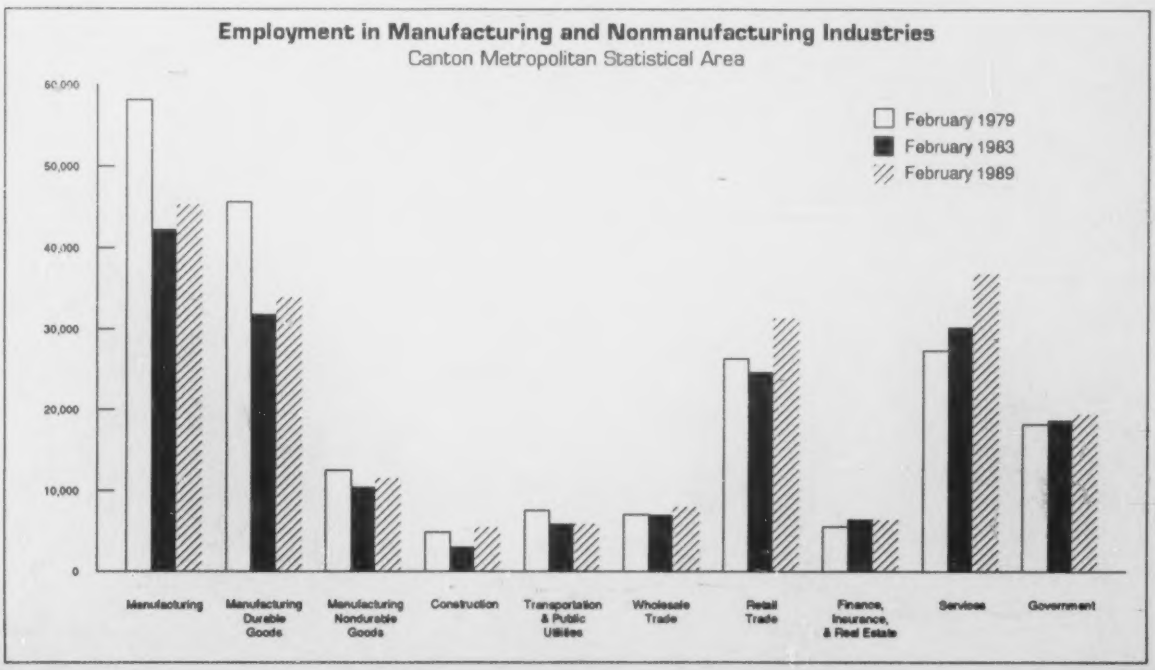


Canton MSA Labor Force and Employment Data

(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	$304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
190.0	174.9	15.1	7.9	January	155.0	44.3	31.4	493.78	43.2	11.43
190.3	175.2	15.1	7.9	February	154.7	44.3	31.6	493.06	43.1	11.44
191.0	173.9	17.2	9.0	March	155.7	44.4	32.0	488.48	43.0	11.36
189.5	176.3	13.2	7.0	April	157.9	44.4	31.5	493.34	43.2	11.42
188.7	176.2	12.5	6.6	May	159.7	44.6	31.7	492.05	43.2	11.39
191.5	178.4	13.1	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35
191.9	181.7	10.2	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.2	179.4	13.8	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
INA	INA	INA	INA	February	159.3	45.3	32.7	504.01	43.3	11.64

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Total	159.3	160.0	154.7	-.7	4.5
Manufacturing	45.3	46.0	44.3	-.6	1.0
Durable Goods[e]	33.8	34.1	32.9	-.3	.9
Primary metal industries	11.4	11.5	10.9	-.1	.6
Fabricated metal products	6.6	6.8	6.7	-.2	-.1
Metal forgings and stampings	2.2	2.4	2.1	-.2	.0
Nondurable Goods[f]	11.5	11.9	11.4	-.4	.2
Food and kindred products	3.1	3.3	3.2	-.2	-.1
Rubber and misc. plastics products	3.1	3.1	2.9	.0	.2
Nonmanufacturing[g]	114.0	114.0	110.4	.0	3.5
Construction	5.4	5.5	4.7	-.2	.7
Transportation and Public Utilities	5.8	5.8	5.5	.0	.3
Communication, electric, gas services	2.7	2.7	2.5	.0	.2
Wholesale Trade	8.0	8.0	7.8	.0	.2
Wholesale trade-durable goods	4.4	4.4	4.3	.0	.1
Retail Trade	31.3	31.8	30.5	-.5	.8
General merchandise stores	3.9	4.1	3.8	-.2	.1
Food stores	5.6	5.6	5.2	.0	.4
Finance, Insurance, and Real Estate	6.3	6.2	6.3	.0	.0
Banking	1.8	1.8	1.8	.0	.0
Services	36.9	36.6	35.7	.3	1.2
Health services	15.3	15.2	15.0	.1	.2
Government	19.4	19.2	19.1	.2	.3
State government (includes education)	1.7	1.7	1.7	.0	-.1
Local government	16.3	16.1	15.9	.2	.4
Local government education	9.9	9.8	9.8	.1	.0
Local government, except education	6.4	6.3	6.1	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Manufacturing	$504.01	$500.39	$493.06	43.3	43.1	43.1	$11.64	$11.61	$11.44
Durable Goods[e]	541.44	537.36	516.84	44.6	44.3	43.8	12.14	12.13	11.80
Primary metal industries	621.18	622.25	598.56	47.6	47.5	46.4	13.05	13.10	12.90
Fabricated metal products	502.36	495.10	432.37	42.9	42.1	41.1	11.71	11.76	10.52
Metal forgings and stampings	597.17	566.30	600.09	42.9	40.8	41.5	13.92	13.88	14.46
Nondurable Goods[f]	384.94	387.50	413.51	39.2	39.5	40.7	9.82	9.81	10.16
Food and kindred products	407.01	388.11	408.10	38.8	38.2	38.5	10.49	10.16	10.60
Rubber and misc. plastics products	403.37	402.82	436.60	41.8	41.7	41.7	9.65	9.66	10.47
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	554.61	576.69	540.55	39.7	40.9	40.1	13.97	14.10	13.48
Wholesale Trade	381.95	388.10	375.35	37.3	37.9	37.8	10.24	10.24	9.93
Retail Trade[h]	162.44	160.74	154.84	28.7	28.3	28.0	5.66	5.68	5.53

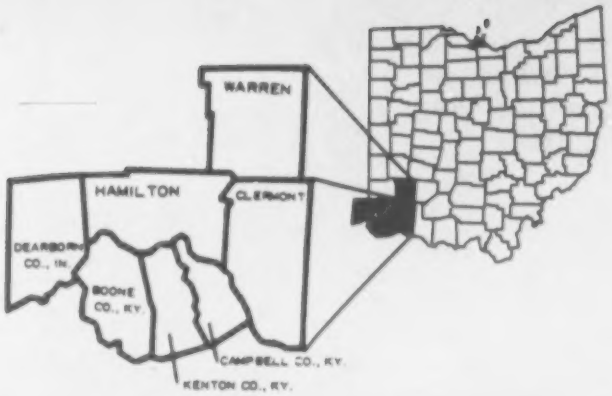
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

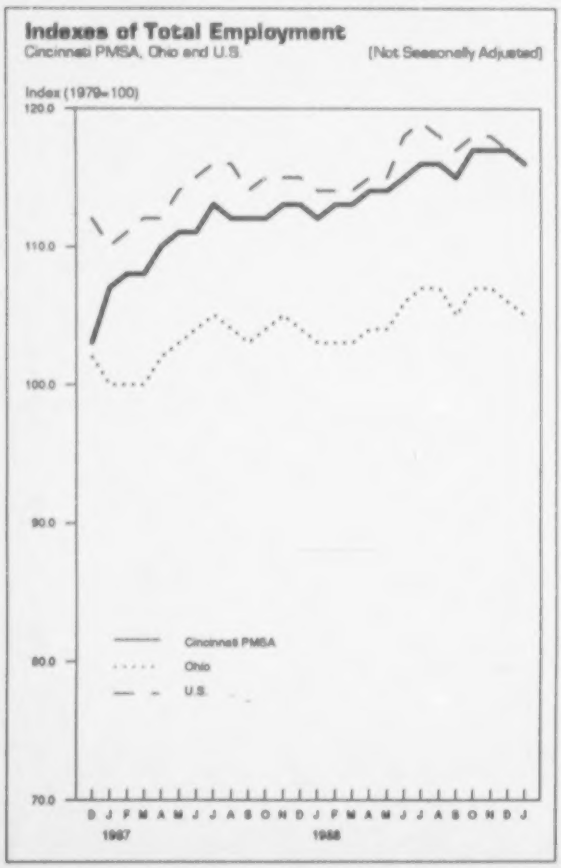
	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	1,181	1,755	1,407
Active File of Job Seekers	12,170	11,853	12,090
Referrals to Jobs	458	539	848
Placements	79	124	161
Job Openings Received	339	966	346
Job Openings Unfilled	1,288	2,038	348
Unemployment Insurance Program			
Initial Claims	1,863	3,093	2,235
Continued Claims	16,268	18,308	23,226
First Payments	1,327	1,587	1,417
Last Payments	168	173	213
Weeks Compensated	14,596	13,038	17,307
Benefits Paid	$2,169,068	$1,889,737	$2,514,358
Average Weekly Payment	$151.98	$148.56	$148.67

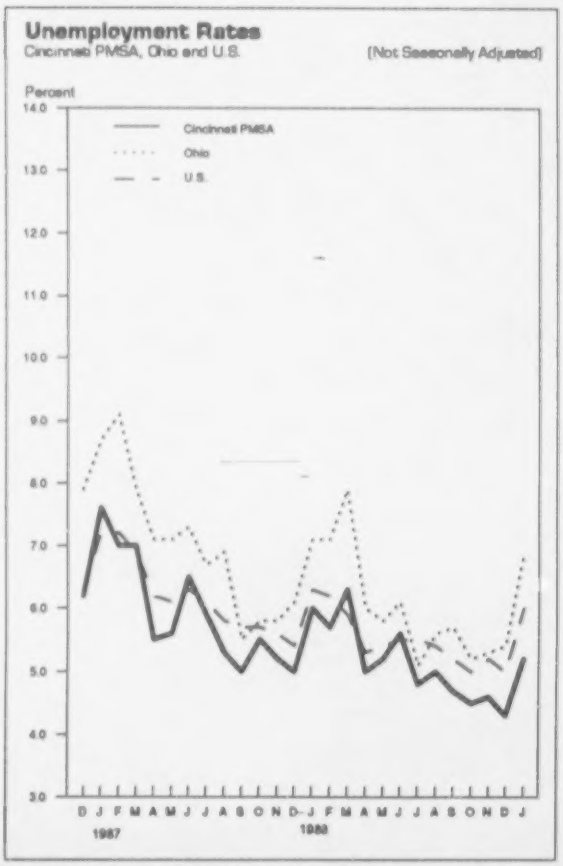
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cincinnati metropolitan area increased 300 from January to 703,800 in February 1989. Nonmanufacturing employment rose 700 as seasonal gains in services and nonteaching personnel in state and local schools and colleges more than offset reductions in retail trade and construction. Scattered losses in both durable- and nondurable-goods industries lowered manufacturing employment 400 to 145,000. Factory production workers averaged $11.49 per hour, up $.09 from January 1989. Their average workweek of 43.3 hours was .5 hours longer.

Nonfarm wage and salary employment advanced 27,200 between February 1988 and February 1989. The growth was concentrated in nonmanufacturing industries. Marked expansion was recorded in services and retail trade. Noteworthy improvements occurred in construction, government, especially local schools, and in transportation and public utilities. Manufacturing employment increased 200 over the year. Gains in nonelectrical machinery, food and kindred products, and electric and electronic equipment more than offset a sizable reduction in transportation equipment.





Cincinnati PMSA Labor Force and Employment Data

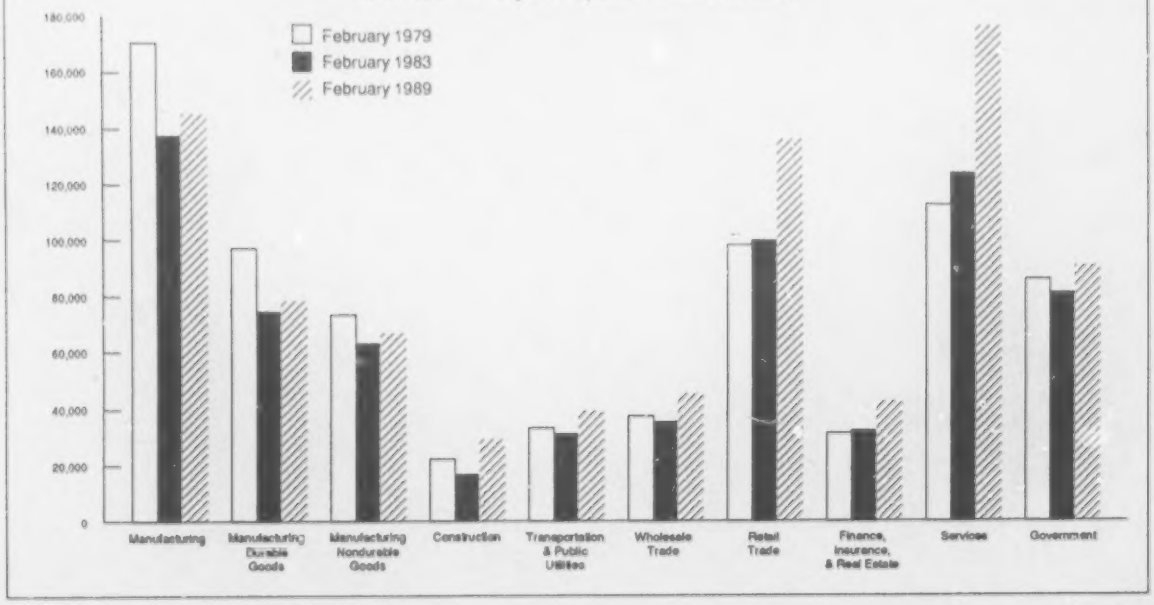
(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
744.7	704.4	40.2	5.4	January	677.2	145.7	93.3	481.00	43.1	11.16
751.1	708.5	42.6	5.7	February	676.6	144.8	92.5	466.47	42.1	11.08
754.1	706.6	47.6	6.3	March	679.5	138.3	86.3	453.60	42.0	10.80
753.7	715.3	38.4	5.1	April	694.4	144.3	92.0	462.42	42.0	11.01
757.6	717.2	40.4	5.3	May	700.1	143.7	91.4	465.63	42.1	11.06
770.7	726.0	44.7	5.8	June	704.2	144.2	91.5	466.62	42.0	11.11
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
770.7	730.3	40.4	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
INA	INA	INA	INA	February	703.8	145.0	91.4	497.52	43.3	11.49

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Cincinnati Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Total	703.8	703.5	676.6	.3	27.2
Manufacturing	145.0	145.4	144.8	-.4	.2
Durable Goods[e]	78.5	78.6	78.3	-.1	.2
Fabricated metal products	10.8	10.9	10.8	-.1	.0
Fabricated structural metal products	3.7	3.9	4.0	-.2	-.3
Machinery, except electrical	21.2	21.1	20.5	.1	.6
Metalworking machinery	8.6	8.6	8.5	.0	.1
General industrial machinery	3.1	3.1	3.0	.0	.1
Electric and electronic equipment	8.9	8.8	8.5	.1	.4
Transportation equipment	23.3	23.4	24.6	-.1	-1.3
Motor vehicles and equipment	5.1	5.2	4.9	-.1	.2
Nondurable Goods[f]	66.6	66.8	66.5	-.3	.1
Food and kindred products	12.7	12.9	12.2	-.2	.5
Beverages	3.5	3.5	3.3	.0	.1
Apparel and other textile products	3.6	3.4	3.6	.1	.0
Paper and allied products	6.0	6.0	6.1	-.1	-.1
Printing and publishing	13.5	13.6	13.7	-.1	-.3
Commercial printing	6.2	6.3	6.2	-.1	.0
Chemicals and allied products	22.7	22.6	22.5	.0	.2
Rubber and misc. plastics products	6.0	6.0	6.1	.0	-.2
Nonmanufacturing[g]	558.8	558.1	531.8	.7	27.0
Construction	29.3	30.1	26.5	-.8	2.8
Transportation and Public Utilities	39.2	39.1	36.9	.0	2.3
Trucking and warehousing	10.9	10.9	10.0	.0	.9
Communication, electric, gas services	15.5	15.5	15.3	.0	.2
Wholesale Trade	45.2	45.1	43.6	.1	1.6
Wholesale trade-durable goods	26.6	26.5	25.7	.1	.9
Retail Trade	135.6	136.8	128.4	-1.2	7.2
General merchandise stores	19.7	20.8	18.6	-1.0	1.1
Finance, Insurance, and Real Estate	42.5	42.4	41.2	.1	1.2
Banking	9.3	9.3	8.9	.0	.4
Insurance carriers	14.4	14.5	14.3	-.1	.1
Services	176.0	174.8	167.0	1.3	9.0
Hotels and other lodging places	7.1	7.0	6.8	.1	.3
Personal services	9.5	9.4	8.9	.2	.6
Business services	44.5	44.2	40.1	.2	4.4
Amusement and recreation services	6.0	5.9	5.8	.1	.2
Health services	54.5	54.3	52.8	.1	1.6
Hospitals	26.0	26.0	25.4	.1	.6
Government	90.6	89.4	87.8	1.2	2.8
Federal government	15.8	15.5	15.3	.2	.5
State government	21.0	20.8	20.4	.2	.6
State government education[h]	13.2	13.0	12.7	.2	.5
State government, except education	7.8	7.8	7.7	.0	.1
Local government	53.8	53.1	52.1	.7	1.7
Local government education	31.1	30.5	30.8	.6	.3
Local government, except education	22.7	22.6	21.3[j]	.0	1.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Manufacturing	$497.52	$487.92	$466.47	43.3	42.8	42.1	$11.49	$11.40	$11.08
Durable Goods[e]	497.04	493.19	473.12	43.6	43.3	42.7	11.40	11.39	11.08
Fabricated metal products	446.75	443.83	413.40	43.5	43.3	41.8	10.27	10.25	9.89
Fabricated structural metal products	500.69	501.02	415.33	45.6	45.3	41.7	10.98	11.06	9.96
Machinery, except electrical	434.84	434.18	424.53	42.3	42.4	42.2	10.28	10.24	10.06
Metalworking machinery	497.49	494.60	484.22	44.3	44.2	42.7	11.23	11.19	11.34
General industrial machinery	422.30	424.54	406.56	42.7	43.1	44.0	9.89	9.85	9.24
Electric and electronic equipment	362.60	365.49	332.09	40.2	40.7	39.3	9.02	8.98	8.45
Transportation equipment	779.39	770.36	730.91	48.2	47.7	47.4	16.17	16.15	15.42
Motor vehicles and equipment	883.98	862.52	799.93	50.6	49.4	47.9	17.47	17.46	16.70
Nondurable Goods[f]	497.94	481.92	459.41	43.0	42.2	41.5	11.58	11.42	11.07
Food and kindred products	495.55	482.38	491.10	42.5	41.3	42.3	11.66	11.68	11.61
Beverages	502.40	501.20	529.55	40.0	40.0	42.5	12.56	12.53	12.46
Apparel and other textile products	234.63	229.25	209.56	39.5	38.4	36.7	5.94	5.97	5.71
Paper and allied products	460.85	444.35	411.84	43.6	42.4	41.6	10.57	10.48	9.90
Printing and publishing	462.98	443.98	474.21	40.4	39.5	41.2	11.46	11.24	11.51
Commercial printing	507.21	473.89	524.66	43.5	41.9	44.5	11.66	11.31	11.79
Chemicals and allied products	611.83	589.91	530.71	44.4	43.6	41.3	13.78	13.53	12.85
Rubber and misc. plastics products	436.89	432.91	391.78	45.7	46.3	42.4	9.56	9.35	9.24
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	561.20	583.57	539.92	40.0	41.3	39.7	14.03	14.13	13.60
Wholesale Trade	419.63	419.02	397.18	40.9	41.0	40.2	10.26	10.22	9.88
Retail Trade[h]	171.36	166.42	162.45	28.8	28.4	28.5	5.95	5.86	5.70
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	265.18	264.05	259.51	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

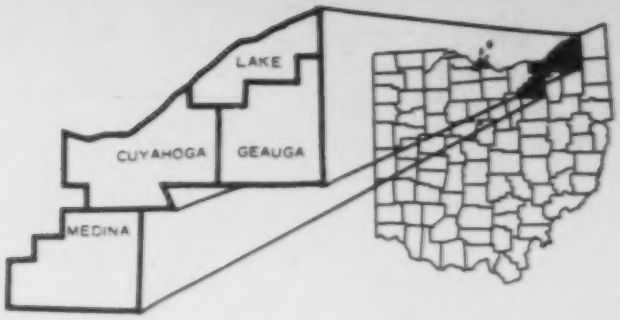
Selected Administrative Program Activities[a]

Cincinnati PMSA

	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	3,306	3,398	2,775
Active File of Job Seekers	18,085	17,592	23,194
Referrals to Jobs	2,165	1,569	1,830
Placements	715	171	519
Job Openings Received	1,383	943	1,111
Job Openings Unfilled	1,858	1,746	1,495
Unemployment Insurance Program			
Initial Claims	3,958	6,734	4,684
Continued Claims	40,474	42,477	56,563
First Payments	3,425	3,073	3,982
Last Payments	472	451	886
Weeks Compensated	34,801	29,418	48,882
Benefits Paid	$5,487,111	$4,495,061	$7,880,702
Average Weekly Payment	$162.65	$157.42	$163.42

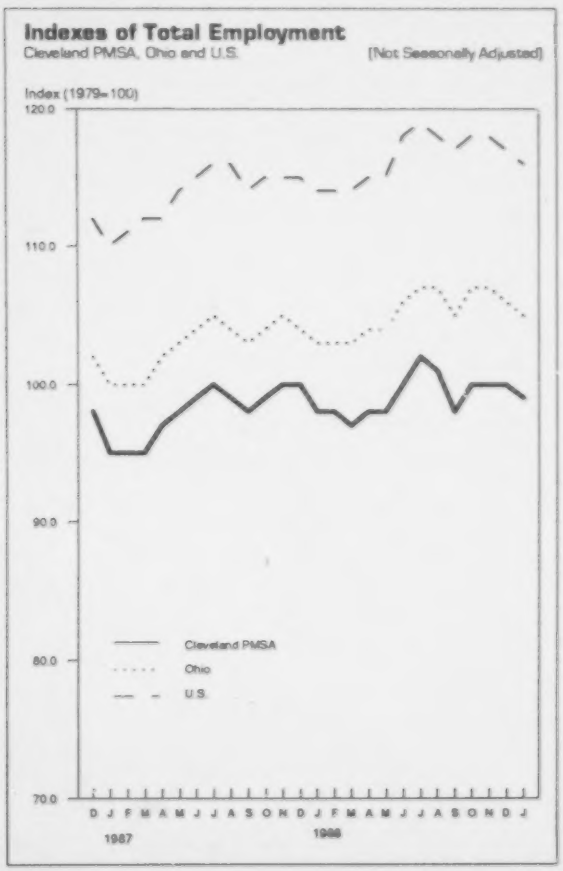
[a] Ohio data only

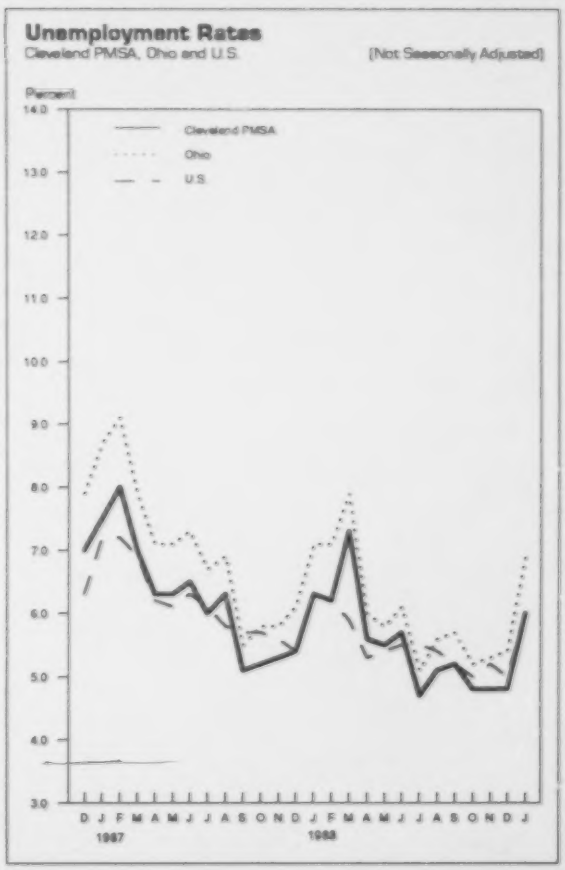
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Cleveland metropolitan area totaled 902,700 in February, increasing 600 from January 1989. Gains in services and nonteaching personnel in state and local schools and colleges outweighed seasonal losses in retail trade, raising nonmanufacturing employment 200. Scattered improvements in durable goods increased manufacturing employment 300 to 204,700. Factory production workers averaged $12.00 per hour, down $.08 from January. Their average workweek was .2 hours shorter at 43.5 hours.

Nonagricultural wage and salary employment advanced 22,600 between February 1988 and February 1989. Primary growth sectors were services, retail trade, finance, insurance, and real estate, and wholesale trade. The manufacturing workforce increased 5,400 over the year. Noteworthy gains occurred in nonelectrical machinery, fabricated metal products, transportation equipment, and chemicals and allied products.



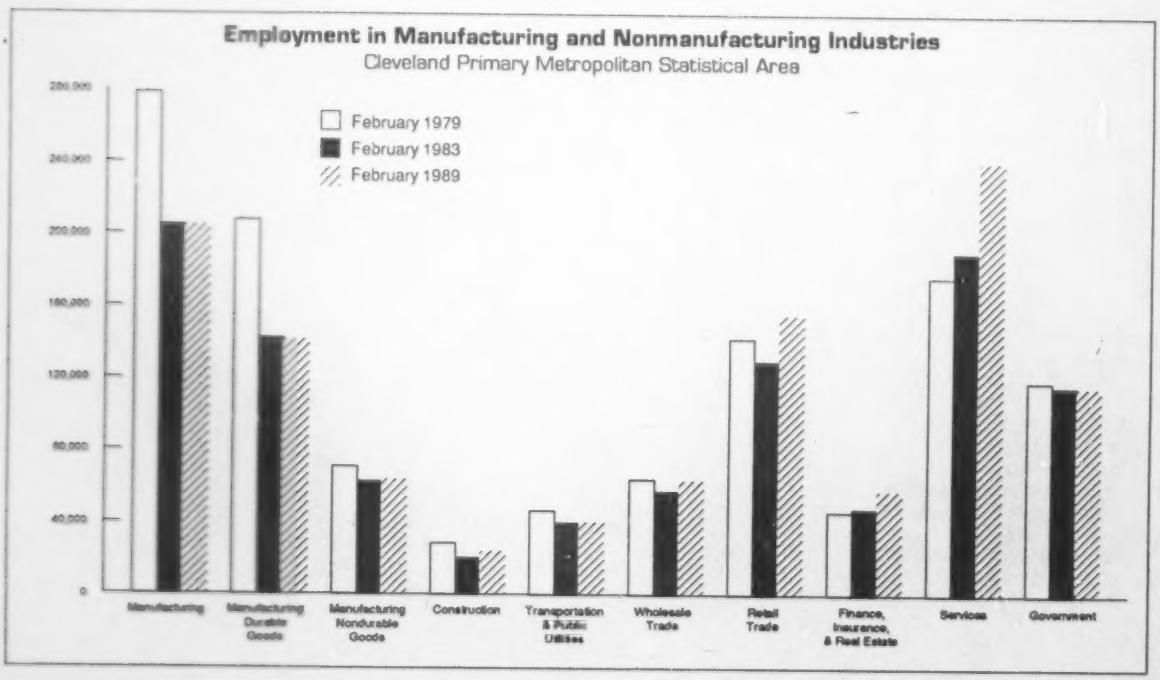


Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	$321.75	42.9	$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
929.1	870.6	58.5	6.3	January	882.7	200.4	129.0	503.53	43.0	11.71
929.6	872.2	57.4	6.2	February	880.1	199.3	128.2	500.21	42.9	11.66
934.5	866.4	68.1	7.3	March	886.5	200.2	128.5	510.26	43.5	11.73
925.5	873.9	51.6	5.6	April	894.9	200.1	128.5	512.55	43.4	11.81
922.0	871.3	50.7	5.5	May	902.7	200.6	129.2	513.42	43.4	11.83
936.6	883.0	53.5	5.7	June	911.0	202.2	130.4	518.28	43.7	11.86
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
939.5	883.1	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
INA	INA	INA	INA	February	902.7	204.7	132.7	522.00	43.5	12.00

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Total	902.7	902.1	880.1	.6	22.6
Manufacturing	204.7	204.4	199.3	.3	5.4
Durable Goods[e]	141.0	140.6	136.6	.4	4.3
Primary metal industries	21.6	21.7	21.3	-.1	.3
Iron and steel foundries	4.6	4.7	4.8	-.1	-.2
Fabricated metal products	32.9	32.8	32.1	.1	.8
Fabricated structural metal products	4.1	4.0	3.8	.1	.3
Screw machine products, bolts, etc.	4.9	4.9	4.9	.0	.0
Metal forgings and stampings	11.2	11.1	11.0	.0	.2
Machinery, except electrical	30.7	30.7	29.1	.1	1.6
Construction and related machinery	2.6	2.6	2.6	.0	-.1
Metalworking machinery	10.4	10.2	9.8	.1	.6
Special industry machinery	2.6	2.6	2.5	.0	.1
General industrial machinery	3.3	3.2	3.0	.0	.2
Electric and electronic equipment	18.0	17.9	17.7	.1	.3
Electrical industrial apparatus	6.7	6.6	6.1	.1	.6
Transportation equipment	19.9	19.9	19.2	.0	.7
Motor vehicles and equipment	12.8	12.8	11.9	.0	.9
Instruments and related products	6.5	6.4	6.6	.0	-.1
Measuring and controlling devices	4.4	4.4	4.4	.0	.0
Nondurable Goods[f]	63.8	63.8	62.7	.0	1.1
Food and kindred products	6.5	6.5	6.5	-.1	.0
Apparel and other textile products	3.6	3.6	3.5	.0	.1
Paper and allied products	5.9	6.0	5.9	.0	.0
Printing and publishing	15.8	15.8	15.9	.0	.0
Chemicals and allied products	15.0	15.0	14.6	.0	.5
Rubber and misc. plastics products	11.6	11.6	11.3	.0	.4
Nonmanufacturing[g]	697.9	697.7	680.8	.2	17.2
Construction	24.0	24.5	23.2	-.5	.7
Transportation and Public Utilities	40.6	40.6	40.0	.0	.6
Trucking and warehousing	11.8	11.7	11.7	.1	.1
Communication, electric, gas services	17.3	17.3	17.4	.0	-.1
Wholesale Trade	63.3	63.1	61.4	.1	1.8
Wholesale trade-durable goods	44.0	43.9	42.8	.1	1.2
Retail Trade	155.2	157.3	151.7	-2.1	3.5
General merchandise stores	20.4	21.5	20.5	-1.1	-.1
Finance, Insurance, and Real Estate	57.6	57.3	55.4	.3	2.3
Banking	14.1	14.0	14.0	.1	.1
Credit agencies other than banks	8.8	8.8	8.7	.0	.1
Insurance carriers	14.4	14.3	13.7	.1	.7
Services	240.6	238.7	231.8	1.9	8.8
Business services	55.4	55.2	52.0	.2	3.4
Amusement and recreation services	5.3	5.4	5.6	-.1	-.3
Health services	78.0	78.0	76.5	.0	1.5
Hospitals	43.8	43.8	43.9	.0	-.1
Government	115.7	115.2	116.3	.5	-.6
Federal government	20.6	20.7	20.8	-.1	-.2
State government	8.1	8.0	8.2	.1	-.1
State government education[f]	3.3	3.0	3.3	.3	.0
State government, except education	4.8	5.0	5.0	-.2	-.1
Local government	87.0	86.5	87.3	.4	-.3
Local government education	44.3	43.6	44.5	.7	-.2
Local government, except education	42.7	42.9	42.7	-.2	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Manufacturing	$522.00	$527.90	$500.21	43.5	43.7	42.9	$12.00	$12.08	$11.66
Durable Goods[e]	553.31	561.96	536.55	44.3	44.6	43.8	12.49	12.60	12.25
Primary metal industries	544.57	574.94	579.22	44.6	45.2	45.5	12.21	12.72	12.73
Iron and steel foundries	861.02	984.19	797.79	48.7	52.8	46.6	17.68	18.64	17.12
Fabricated metal products	545.06	543.26	549.85	43.5	43.6	44.2	12.53	12.46	12.44
Fabricated structural metal products	375.36	401.79	371.84	39.1	40.3	39.1	9.60	9.97	9.51
Screw machine products, bolts, etc.	581.72	587.94	519.02	46.5	47.3	46.3	12.51	12.43	11.21
Metal forgings and stampings	701.45	690.46	705.06	46.3	46.0	46.6	15.15	15.01	15.13
Machinery, except electrical	566.57	571.18	489.18	46.1	46.4	42.5	12.29	12.31	11.51
Construction and related machinery	421.74	413.98	410.39	44.3	43.9	44.9	9.52	9.43	9.14
Metalworking machinery	518.34	519.23	430.40	44.8	44.8	40.3	11.57	11.59	10.68
Special industry machinery	505.01	505.18	490.53	43.8	43.4	41.5	11.53	11.64	11.82
General industrial machinery	529.69	511.88	504.68	46.1	45.5	44.0	11.49	11.25	11.47
Electric and electronic equipment	475.08	466.31	471.10	42.8	42.2	43.3	11.10	11.05	10.88
Electrical industrial apparatus	547.66	536.47	547.13	45.6	44.3	45.9	12.01	12.11	11.92
Transportation equipment	724.36	747.20	693.42	45.5	46.7	45.5	15.92	16.00	15.24
Motor vehicles and equipment	803.88	841.27	756.51	46.2	48.1	45.3	17.40	17.49	16.70
Instruments and related products	404.50	414.08	408.24	40.9	41.7	41.7	9.89	9.93	9.79
Measuring and controlling devices	436.54	446.05	429.94	41.3	42.2	41.5	10.57	10.57	10.36
Nondurable Goods[f]	442.15	442.39	413.51	41.4	41.5	40.7	10.68	10.66	10.16
Food and kindred products	420.66	444.37	386.82	41.0	42.2	42.0	10.26	10.53	9.21
Apparel and other textile products	342.70	348.80	329.78	39.3	40.0	39.4	8.72	8.72	8.37
Paper and allied products	486.92	499.93	462.31	42.9	43.7	41.8	11.35	11.44	11.06
Printing and publishing	427.74	419.90	395.01	38.5	38.0	37.3	11.11	11.05	10.59
Chemicals and allied products	534.49	530.67	511.80	43.0	42.9	42.9	12.43	12.37	11.93
Rubber and misc. plastics products	393.16	390.06	373.47	43.3	43.1	42.2	9.08	9.05	8.85
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	590.49	596.26	571.26	40.5	40.7	40.4	14.58	14.65	14.14
Wholesale Trade	443.60	436.51	403.91	40.0	39.9	38.8	11.09	10.94	10.41
Retail Trade[h]	185.22	181.97	178.05	27.4	27.2	27.1	6.76	6.69	6.57
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	305.78	313.08	296.92	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	343.49	343.18	339.14	31.6	31.6	31.0	10.87	10.86	10.94

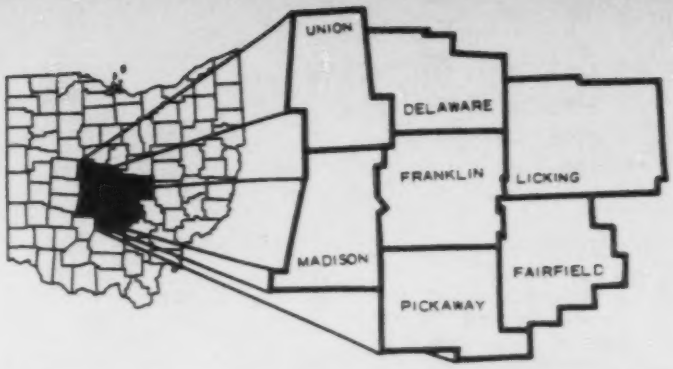
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

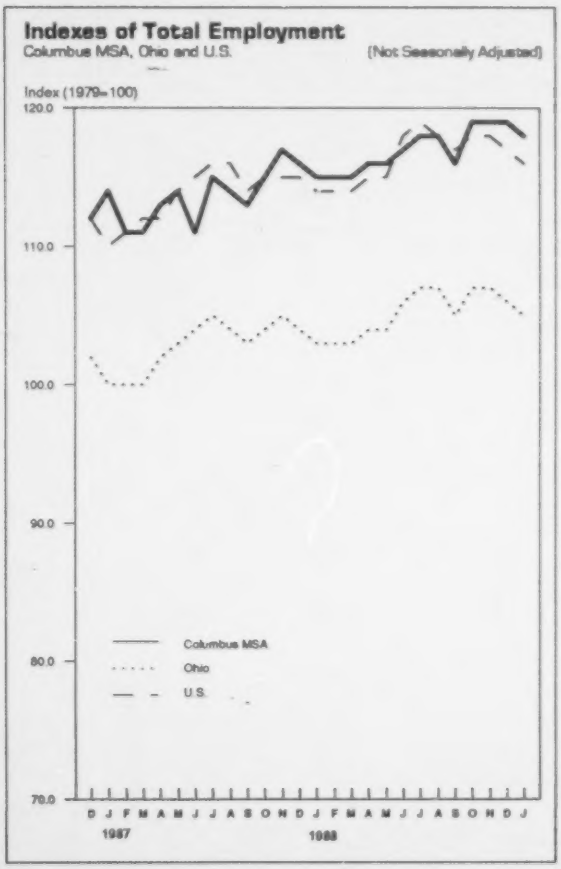
	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	4,611	4,793	4,694
Active File of Job Seekers	57,627	55,715	63,093
Referrals to Jobs	2,481	1,614	1,679
Placements	437	208	278
Job Openings Received	1,587	1,247	1,054
Job Openings Unfilled	3,878	3,472	2,322
Unemployment Insurance Program			
Initial Claims	5,854	9,954	7,680
Continued Claims	64,429	70,812	86,928
First Payments	4,779	5,785	5,495
Last Payments	715	802	966
Weeks Compensated	57,286	53,191	67,765
Benefits Paid	$9,142,349	$8,344,950	$10,553,275
Average Weekly Payment	$162.35	$160.72	$158.04

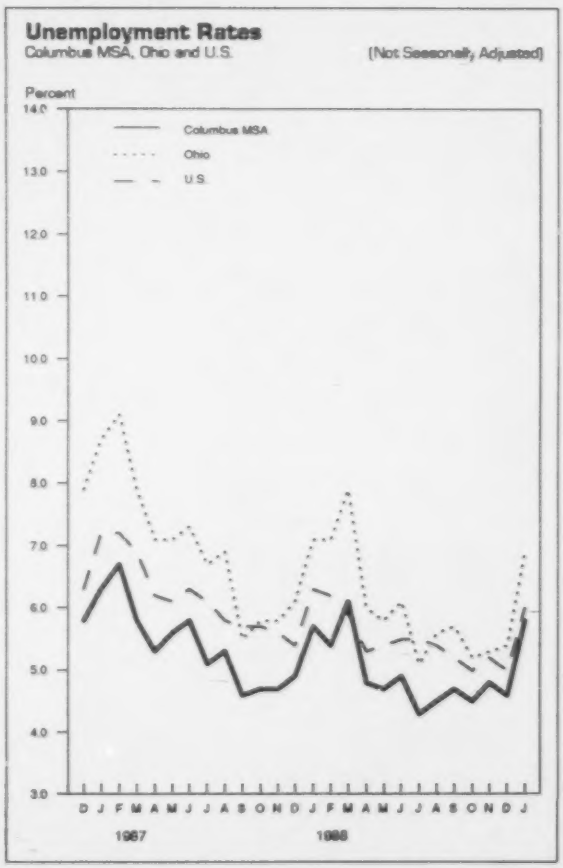
COLUMBUS METROPOLITAN STATISTICAL AREA



In the Columbus metropolitan area, total nonfarm payroll employment rose 800 from January, to 682,500 in February 1989. Nonmanufacturing employment increased 1,000. Seasonal gains in services and nonteaching personnel in state and local schools and colleges outweighed seasonal reductions in retail trade and construction. Modest declines in food and kindred products and rubber and miscellaneous plastics products lowered manufacturing employment 200 to 103,000. Factory production worker average hourly earnings were $11.76, up $.04 from January. Their average workweek of 41.3 hours was .2 hours shorter.

Nonagricultural wage and salary employment advanced 23,300 between February 1988 and February 1989. The gain was concentrated in the nonmanufacturing sector. Significant expansion occurred in services and retail trade, although all divisions showed improvement. The manufacturing workforce rose 1,500 during the period. Modest growth was noted in fabricated metal products, printing and publishing, and rubber and miscellaneous plastics products. Employment in nonelectrical machinery and stone, clay, and glass products declined.





Columbus MSA Labor Force and Employment Data

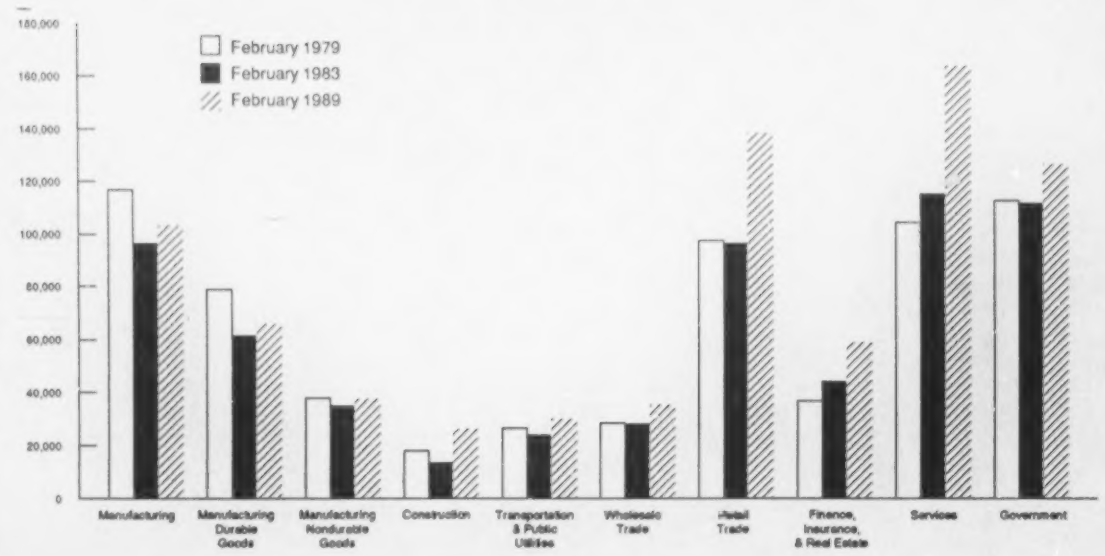
(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
704.0	664.1	40.0	5.7	January	658.5	102.2	67.1	468.65	41.4	11.32
705.9	667.8	38.1	5.4	February	659.2	101.5	66.8	477.47	41.7	11.45
700.8	663.3	43.5	6.2	March	664.1	101.0	66.5	474.54	41.3	11.49
704.0	669.8	34.2	4.9	April	670.6	101.6	67.1	482.47	41.7	11.57
702.5	669.5	33.0	4.7	May	677.6	101.8	67.3	480.24	41.4	11.60
711.8	676.8	35.0	4.9	June	681.6	102.7	68.1	480.16	41.5	11.57
713.7	683.2	30.5	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
715.4	683.1	32.3	4.5	August	676.7	102.8	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
725.0	683.3	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
INA	INA	INA	INA	February	682.5	103.0	67.7	485.69	41.3	11.76

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Columbus Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Total	682.5	681.7	659.2	.8	23.3
Manufacturing	103.0	103.2	101.5	-.2	1.5
Durable Goods[e]	65.7	65.6	64.5	.1	1.1
Stone, clay, and glass products	9.9	9.9	10.0	.0	-.2
Glass and glassware, pressed or blown	3.3	3.3	3.3	.0	-.1
Fabricated metal products	9.7	9.6	8.7	.0	.9
Fabricated structural metal products	2.6	2.5	2.5	.0	.1
Machinery, except electrical	9.6	9.6	9.9	.0	-.3
Electric and electronic equipment	10.4	10.4	10.5	.0	-.1
Transportation equipment	13.1	13.0	12.9	.1	.2
Instruments and related products	4.2	4.1	4.1	.1	.1
Nondurable Goods[f]	37.4	37.7	37.0	-.3	.4
Food and kindred products	10.1	10.3	10.1	-.2	.0
Printing and publishing	10.7	10.7	10.3	.0	.4
Chemicals and allied products	6.6	6.6	6.7	.0	-.1
Rubber and misc. plastics products	5.6	5.7	5.3	-.1	.3
Nonmanufacturing[g]	579.5	578.5	557.7	1.0	21.8
Construction	26.1	26.5	24.4	-.4	1.7
Transportation and Public Utilities	30.1	30.0	28.9	.0	1.2
Trucking and warehousing	12.6	12.5	11.9	.1	.7
Communication, electric, gas services	11.9	11.9	11.9	.0	.0
Wholesale Trade	35.3	35.3	33.9	.0	1.3
Wholesale trade-durable goods	22.8	22.7	21.9	.0	.8
Retail Trade	138.3	139.9	133.0	-1.6	5.3
General merchandise stores	19.4	20.1	20.0	-.7	-.6
Finance, Insurance, and Real Estate	58.6	58.5	56.9	.1	1.7
Banking	11.7	11.7	11.0	.0	.7
Insurance carriers	23.3	23.3	23.0	.0	.3
Services	163.9	161.9	156.2	2.0	7.7
Business services	38.6	38.3	35.5	.3	3.0
Health services	42.1	42.0	40.6	.1	1.6
Hospitals	19.4	19.4	18.8	.1	.7
Government	126.4	125.6	123.5	.8	2.9
Federal government	15.3	15.3	15.4	.0	-.1
State government	55.3	54.9	54.6	.4	.7
State government education[h]	24.0	23.4	23.9	.6	.1
State government, except education	31.3	31.5	30.7	-.3	.6
Local government	55.9	55.4	53.6	.5	2.3
Local government education	34.2	33.8	32.7	.4	1.5
Local government, except education	21.6	21.6	20.9	.0	.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Manufacturing	$485.69	$486.38	$477.47	41.3	41.5	41.7	$11.76	$11.72	$11.45
Durable Goods[e]	488.22	490.18	490.47	41.2	41.4	42.1	11.85	11.84	11.65
Stone, clay, and glass products	479.08	471.77	466.62	41.3	40.6	40.4	11.60	11.62	11.55
Glass and glassware, pressed or blown	444.85	427.79	429.24	41.0	39.5	39.2	10.85	10.83	10.95
Fabricated metal products	500.58	515.01	501.84	40.5	41.3	40.8	12.36	12.47	12.30
Fabricated structural metal products	453.17	465.37	477.22	40.9	41.7	42.8	11.08	11.16	11.15
Machinery, except electrical	443.91	447.82	454.96	40.1	40.6	42.8	11.07	11.03	10.63
Electric and electronic equipment	452.98	459.55	453.87	39.7	40.1	41.0	11.41	11.46	11.07
Transportation equipment	598.99	591.50	630.19	43.0	42.8	45.6	13.93	13.82	13.82
Instruments and related products	424.66	422.41	418.95	40.1	39.7	40.4	10.59	10.64	10.37
Nondurable Goods[f]	481.73	478.30	452.64	41.6	41.7	41.0	11.58	11.47	11.04
Food and kindred products	432.89	432.89	433.31	40.8	40.8	39.9	10.61	10.61	10.86
Printing and publishing	578.31	573.25	520.87	40.3	40.2	38.9	14.35	14.26	13.39
Chemicals and allied products	611.29	598.40	544.74	44.2	44.0	42.0	13.83	13.60	12.97
Rubber and misc. plastics products	370.40	379.18	363.66	41.9	42.7	43.5	8.84	8.88	8.36
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	565.81	565.81	564.39	40.3	40.3	40.4	14.04	14.04	13.97
Wholesale Trade	357.00	360.38	344.83	37.5	37.5	37.4	9.52	9.61	9.22
Retail Trade[h]	188.47	185.56	175.97	28.6	28.2	28.2	6.59	6.58	6.24
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	270.81	270.63	261.66	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	359.92	360.74	335.11	33.7	34.0	34.3	10.68	10.61	9.77

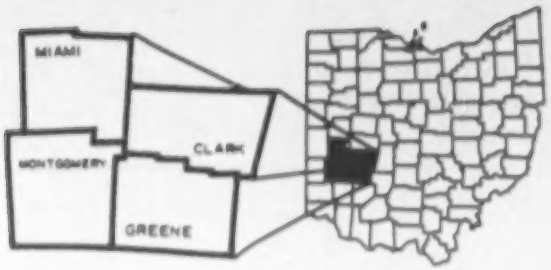
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

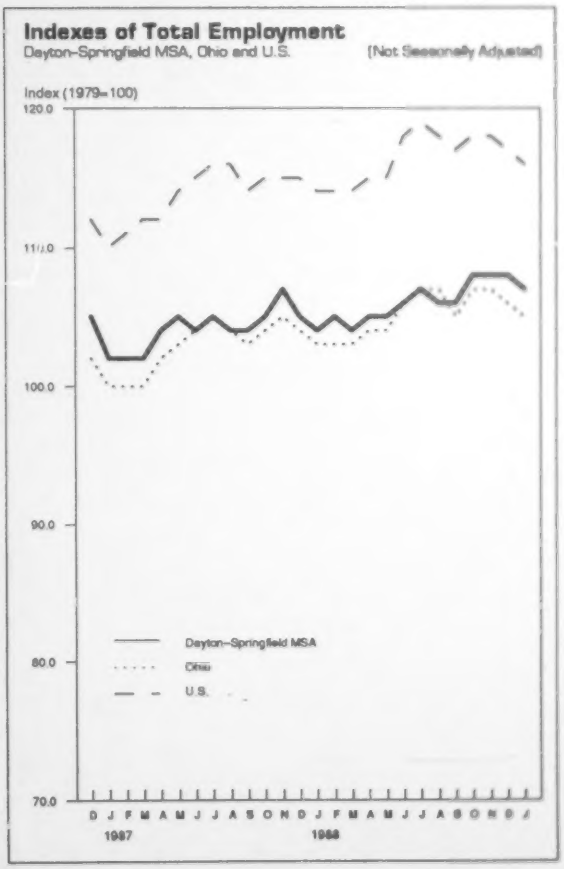
	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	5,606	5,326	4,120
Active File of Job Seekers	31,875	29,065	33,598
Referrals to Jobs	2,407	2,179	2,075
Placements	546	431	563
Job Openings Received	953	987	1,081
Job Openings Unfilled	1,771	1,684	2,482
Unemployment Insurance Program			
Initial Claims	4,140	6,525	5,069
Continued Claims	45,322	51,224	53,181
First Payments	3,239	4,230	3,192
Last Payments	531	461	544
Weeks Compensated	40,588	37,985	44,644
Benefits Paid	$6,550,211	$5,962,113	$7,080,238
Average Weekly Payment	$167.30	$163.10	$160.72

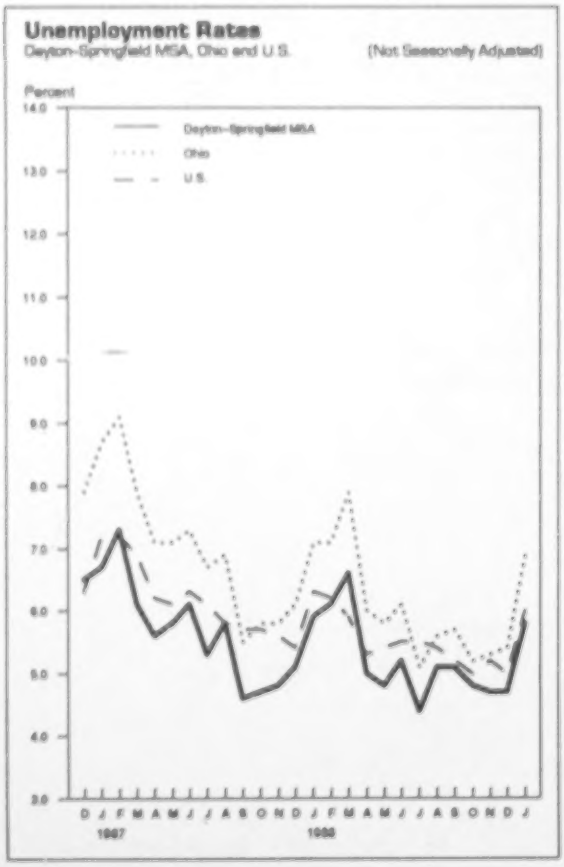
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Dayton-Springfield metropolitan area rose 500 from January to 438,700 in February 1989. Nonmanufacturing employment increased 500 as more business in services offset declines in retail trade and construction. The manufacturing workforce improved slightly to 104,900. Factory production workers averaged $13.00 per hour, down $.08 from January. Their average workweek of 43.9 hours was .2 hours shorter.

Total nonfarm wage and salary employment advanced 12,700 between February 1988 and February 1989. Expansion in the nonmanufacturing sector accounted for most of the gain. Moderate improvements occurred in services, retail trade, and construction. Growth in nonelectrical machinery, transportation equipment, and food and kindred products raised manufacturing employment 2,000 over the year. Employment in printing and publishing, paper and allied products, and electric and electronic equipment declined.





Dayton-Springfield MSA Labor Force and Employment Data

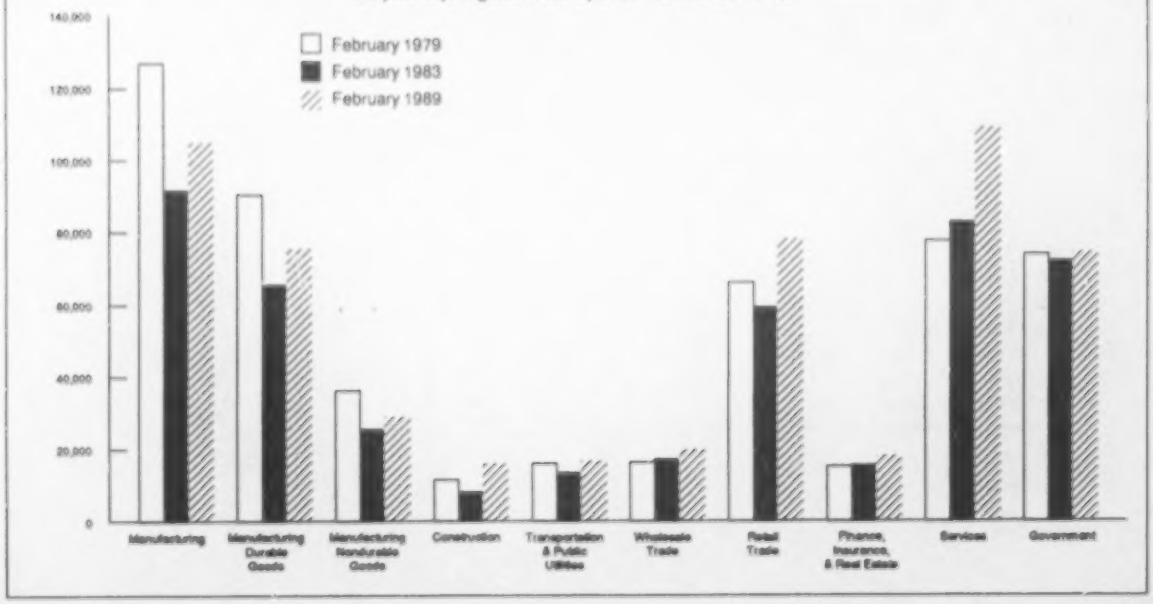
(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
466.5	438.9	27.6	5.9	January	426.5	103.4	66.1	507.24	42.2	12.02
469.1	440.4	28.7	6.1	February	426.0	103.0	65.8	516.86	42.4	12.19
468.7	438.1	30.6	6.5	March	429.8	103.9	66.7	539.14	43.2	12.48
464.6	441.6	23.0	4.9	April	433.4	104.4	67.3	546.45	43.3	12.62
461.6	439.6	22.0	4.8	May	436.3	104.6	67.5	551.06	43.7	12.61
467.8	443.4	24.3	5.2	June	437.8	104.9	67.4	559.24	44.0	12.71
467.4	446.5	20.8	4.5	July	432.3	104.8	67.2	525.34	42.4	12.39
469.6	445.8	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
474.8	447.3	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
INA	INA	INA	INA	February	438.7	104.9	67.7	570.70	43.9	13.00

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Dayton-Springfield Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Total	438.7	438.2	426.0	.5	12.7
Manufacturing	104.9	104.9	103.0	.1	2.0
Durable Goods[e]	75.6	75.8	73.7	-.2	2.0
Fabricated metal products	8.3	8.3	8.3	.0	.0
Machinery, except electrical	31.1	31.2	30.0	-.1	1.1
Metalworking machinery	6.8	6.8	6.6	.0	.1
General industrial machinery	2.9	2.9	2.7	.0	.1
Electric and electronic equipment	5.8	5.8	5.9	.0	-.1
Electrical industrial apparatus	3.3	3.3	3.3	-.1	-.1
Transportation equipment	20.7	20.8	20.4	-.1	.3
Nondurable Goods[f]	29.3	29.1	29.3	.2	.0
Food and kindred products	3.1	3.0	2.8	.1	.3
Paper and allied products	5.8	5.8	5.9	.0	-.1
Printing and publishing	8.7	8.7	8.9	.0	-.2
Rubber and misc. plastics products	7.9	7.9	7.9	.0	.1
Nonmanufacturing[g]	333.8	333.3	323.1	.5	10.7
Construction	16.1	16.9	14.2	-.8	1.9
Transportation and Public Utilities	16.7	16.6	16.4	.1	.3
Communication, electric, gas services	5.2	5.3	5.7	-.1	-.6
Wholesale Trade	19.9	19.9	19.1	.0	.9
Wholesale trade-durable goods	13.6	13.6	13.3	.0	.3
Retail Trade	78.4	79.3	76.4	-.9	2.1
General merchandise stores	11.3	11.9	11.4	-.5	-.1
Finance, Insurance, and Real Estate	18.1	18.0	17.7	.1	.4
Banking	4.2	4.2	4.1	.0	.1
Credit agencies other than banks	4.9	4.8	4.8	.1	.0
Insurance carriers	3.0	3.0	2.9	-.1	.0
Services	109.4	107.9	105.0	1.5	4.4
Business services	26.7	26.3	24.7	.3	2.0
Health services	37.2	37.2	36.2	.0	1.0
Hospitals	19.4	19.3	18.9	.1	.4
Educational services	9.2	8.4	9.0	.8	.1
Government	74.7	74.3	74.0	.4	.8
Federal government	27.6	27.6	27.5	.0	.1
State government	7.0	7.2	7.0	-.2	.0
State government education[f]	4.1	4.3	4.1	-.2	.0
State government, except education	2.8	2.8	2.9	.0	.0
Local government	40.1	39.5	39.4	.6	.7
Local government education	25.2	24.6	25.0	.6	.2
Local government, except education	15.0	14.9	14.4	.1	.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Manufacturing	$570.70	$576.63	$516.86	43.9	44.1	42.4	$13.00	$13.08	$12.19
Durable Goods[e]	583.44	590.52	524.06	44.2	44.4	42.4	13.20	13.30	12.36
Fabricated metal products	401.82	400.15	395.33	41.9	41.9	42.6	9.59	9.55	9.28
Machinery, except electrical	624.21	641.72	554.26	45.2	46.3	42.8	13.81	13.86	12.95
Metalworking machinery	596.93	606.27	559.98	47.3	47.7	45.9	12.62	12.71	12.20
General industrial machinery	508.80	506.71	439.60	43.9	44.1	41.2	11.59	11.49	10.67
Electric and electronic equipment	450.66	454.21	439.22	44.4	44.4	44.5	10.15	10.23	9.87
Electrical industrial apparatus	556.92	554.48	508.37	46.8	46.4	46.3	11.90	11.95	10.98
Transportation equipment	733.14	737.10	646.18	45.2	45.0	42.4	16.22	16.38	15.24
Nondurable Goods[f]	531.96	536.11	498.85	42.9	43.2	42.6	12.40	12.41	11.71
Food and kindred products	403.68	378.22	351.14	43.5	41.7	40.5	9.28	9.07	8.67
Paper and allied products	465.04	505.25	516.20	42.9	45.6	46.9	10.84	11.08	11.03
Printing and publishing	475.19	455.00	425.70	40.1	39.6	38.7	11.85	11.49	11.00
Rubber and misc. plastics products	737.37	737.81	641.76	44.5	44.5	43.1	16.57	16.58	14.89
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	548.05	543.10	534.76	39.8	39.7	39.7	13.77	13.68	13.47
Wholesale Trade	407.63	402.19	418.40	40.2	39.9	40.0	10.14	10.08	10.46
Retail Trade[h]	168.72	164.67	155.61	28.5	28.1	27.3	5.92	5.86	5.70
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	356.93	360.49	370.97	33.8	34.3	34.8	10.56	10.51	10.66

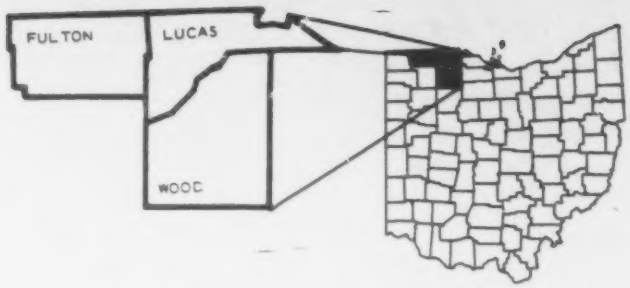
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

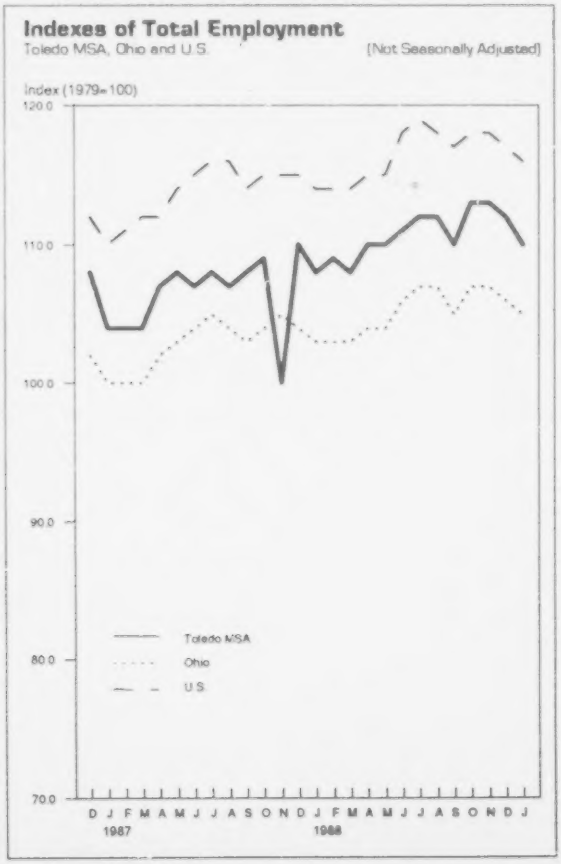
	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	2,384	3,003	2,628
Active File of Job Seekers	12,504	12,098	20,449
Referrals to Jobs	2,172	1,349	1,027
Placements	263	263	251
Job Openings Received	759	727	683
Job Openings Unfilled	1,484	1,384	2,230
Unemployment Insurance Program			
Initial Claims	2,955	4,729	3,173
Continued Claims	28,527	32,052	36,329
First Payments	2,413	2,417	2,687
Last Payments	317	301	381
Weeks Compensated	26,450	22,845	32,737
Benefits Paid	$3,894,895	$3,274,333	$4,817,885
Average Weekly Payment	$149.57	$148.30	$149.63

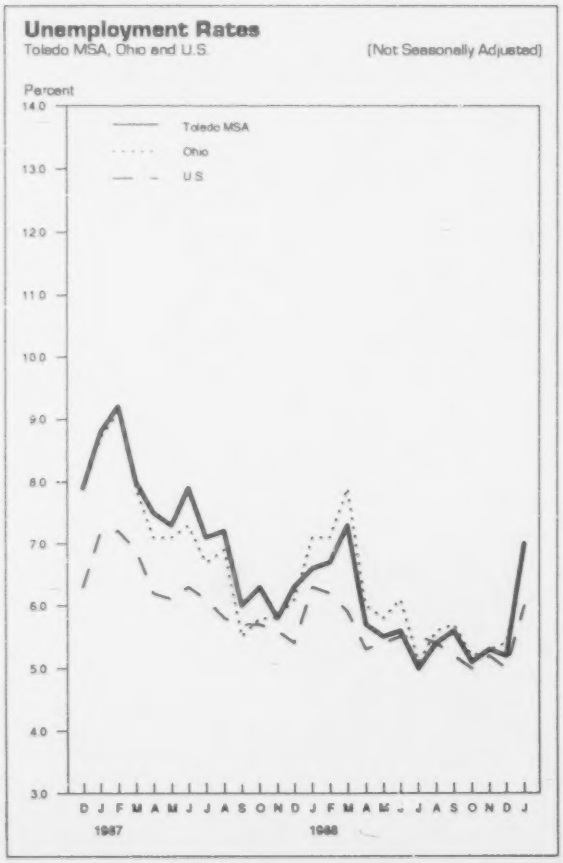
TOLEDO METROPOLITAN STATISTICAL AREA



Nonfarm payroll employment in the Toledo metropolitan area declined 1,000 from January to 285,600 in February 1989. Seasonal decreases in retail trade and construction negated a modest gain in services, lowering nonmanufacturing employment by 700. The manufacturing workforce dropped 300 to 61,700 due to less business among producers of nondurable goods, especially food and kindred products. Factory production workers averaged $13.37 per hour, up $.15 from January. Their average workweek of 44.9 hours was 1.3 hours longer.

Nonagricultural wage and salary employment advanced 9,400 between February 1988 and February 1989. The majority of the gain was in the nonmanufacturing sector. Noteworthy growth occurred in services, retail trade, and construction. Manufacturing employment increased 500 with modest growth in food and kindred products and nonelectrical machinery. Employment in stone, clay, and glass products and electric and electronic equipment declined.



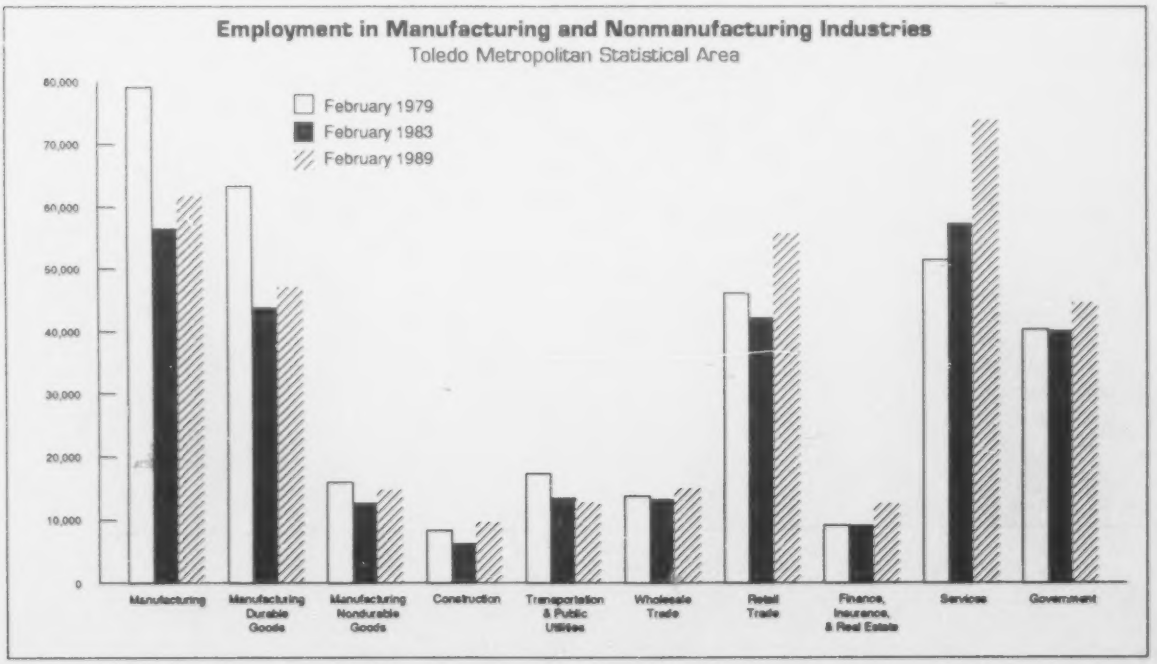


Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
307.9	287.1	20.8	6.7	January	277.2	61.9	44.5	572.47	43.7	13.10
309.2	287.6	21.6	7.0	February	276.1	61.2	43.8	526.58	41.3	12.75
310.7	286.9	23.8	7.7	March	279.4	61.7	44.2	568.49	43.1	13.19
307.7	290.0	17.7	5.8	April	282.4	61.9	44.3	572.86	43.3	13.23
306.4	289.5	16.9	5.5	May	285.0	62.1	44.5	552.90	42.4	13.04
308.9	291.2	17.6	5.7	June	285.5	63.5	45.7	571.58	43.4	13.17
310.3	294.4	15.8	5.1	July	283.1	63.1	45.2	543.93	42.1	12.92
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
316.3	294.3	22.0	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
INA	INA	INA	INA	February	285.6	61.7	44.2	600.31	44.9	13.37

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Total	285.6	286.6	276.1	-1.0	9.4
Manufacturing	61.7	62.0	61.2	-.3	.5
Durable Goods[e]	47.0	46.9	46.8	.1	.1
Stone, clay, and glass products	7.5	7.5	7.8	.0	-.3
Primary metal industries	3.5	3.5	3.5	.0	.0
Fabricated metal products	7.2	7.2	7.1	.0	.1
Metal forgings and stampings	3.0	2.9	3.1	.1	-.1
Machinery, except electrical	6.0	6.0	5.7	.0	.2
Electric and electronic equipment	2.2	2.2	2.5	.0	-.3
Transportation equipment	15.8	15.7	15.7	.1	.1
Motor vehicles and equipment	14.9	14.8	14.9	.1	.0
Nondurable Goods[f]	14.7	15.1	14.4	-.4	.4
Food and kindred products	3.9	4.1	3.8	-.2	.2
Rubber and misc. plastics products	3.4	3.5	3.4	.0	.0
Nonmanufacturing[g]	223.9	224.6	215.0	-.7	8.9
Construction	9.6	10.0	8.5	-.4	1.2
Transportation and Public Utilities	12.8	12.8	12.8	.0	.0
Trucking and warehousing	5.2	5.2	5.2	.0	.0
Communication, electric, gas services	4.7	4.7	4.7	.0	.0
Wholesale Trade	15.0	14.9	14.6	.0	.4
Wholesale trade-durable goods	10.0	10.0	9.7	.0	.3
Retail Trade	55.6	56.6	53.2	-1.0	2.4
General merchandise stores	8.4	9.0	7.8	-.5	.7
Finance, Insurance, and Real Estate	12.5	12.4	12.1	.1	.4
Banking	3.9	3.8	3.7	.0	.1
Services	73.8	73.4	70.2	.4	3.6
Business services	15.7	15.7	14.6	.0	1.2
Health services	27.3	27.2	26.7	.1	.6
Hospitals	15.1	15.0	15.0	.1	.0
Government	44.5	44.2	43.5	.3	1.0
State government	16.6	16.5	16.2	.0	.4
State government education[h]	12.5	12.4	12.2	.1	.3
State government, except education	4.1	4.2	4.0	.0	.1
Local government	25.3	25.1	24.7	.3	.6
Local government education	14.9	14.6	14.6	.3	.3
Local government, except education	10.4	10.4	10.1	.0	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Manufacturing	$600.31	$576.39	$526.58	44.9	43.6	41.3	$13.37	$13.22	$12.75
Durable Goods[e]	629.28	599.67	547.64	45.6	43.9	41.3	13.80	13.66	13.26
Stone, clay, and glass products	523.26	494.03	504.27	40.5	38.9	39.8	12.92	12.70	12.67
Primary metal industries	533.05	529.42	474.88	46.8	46.4	42.4	11.39	11.41	11.20
Fabricated metal products	518.25	550.90	560.28	45.5	46.1	43.5	11.39	11.95	12.88
Metal forgings and stampings	636.41	694.93	726.33	43.5	45.9	46.5	14.63	15.14	15.62
Machinery, except electrical	522.97	527.68	520.37	43.4	43.9	43.4	12.05	12.02	11.99
Electric and electronic equipment	545.87	547.01	546.12	43.6	44.4	42.9	12.52	12.32	12.73
Transportation equipment	840.10	758.70	614.23	48.9	45.0	38.9	17.18	16.86	15.79
Motor vehicles and equipment	845.48	764.90	616.92	48.9	45.1	38.8	17.29	16.96	15.90
Nondurable Goods[f]	495.33	493.96	448.52	42.3	42.4	41.3	11.71	11.65	10.86
Food and kindred products	561.96	555.55	533.63	42.0	43.2	43.0	13.38	12.86	12.41
Rubber and misc. plastics products	357.84	358.09	334.97	42.0	40.6	40.9	8.52	8.82	8.19
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	584.66	584.23	584.45	40.8	40.6	40.7	14.33	14.39	14.36
Wholesale Trade	387.50	383.96	368.06	39.5	39.1	38.3	9.81	9.82	9.61
Retail Trade[h]	159.50	156.67	157.62	27.5	27.2	28.4	5.80	5.76	5.55

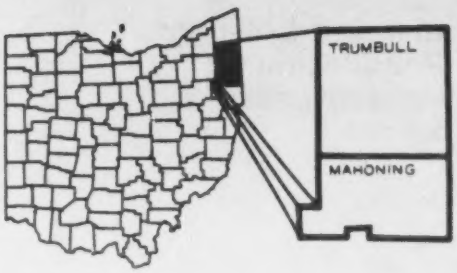
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

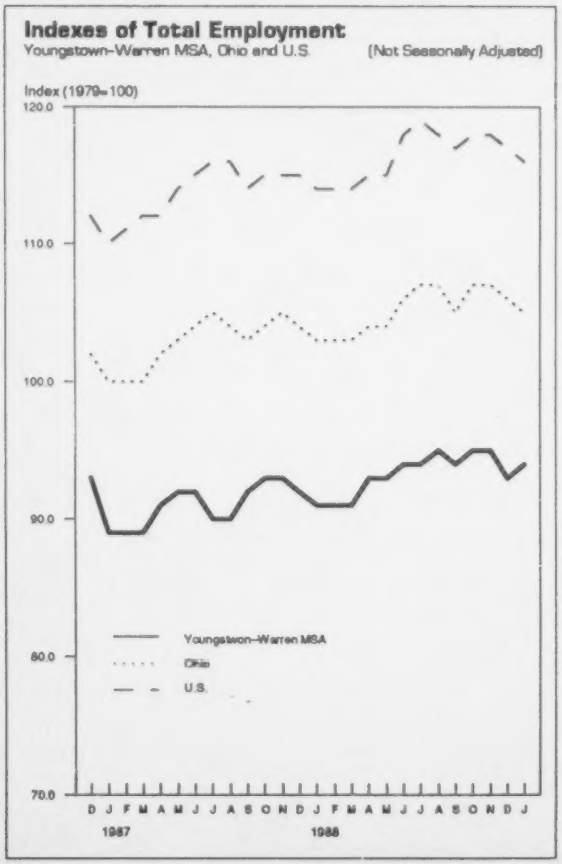
	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	2,094	2,178	2,130
Active File of Job Seekers	19,090	17,984	18,333
Referrals to Jobs	1,161	1,034	1,005
Placements	277	372	256
Job Openings Received	381	463	528
Job Openings Unfilled	663	810	666
Unemployment Insurance Program			
Initial Claims	2,804	4,388	4,623
Continued Claims	24,782	27,788	30,036
First Payments	2,085	2,374	2,163
Last Payments	286	252	285
Weeks Compensated	22,522	20,538	23,806
Benefits Paid	$3,537,673	$3,158,695	$3,591,481
Average Weekly Payment	$159.49	$160.19	$153.61

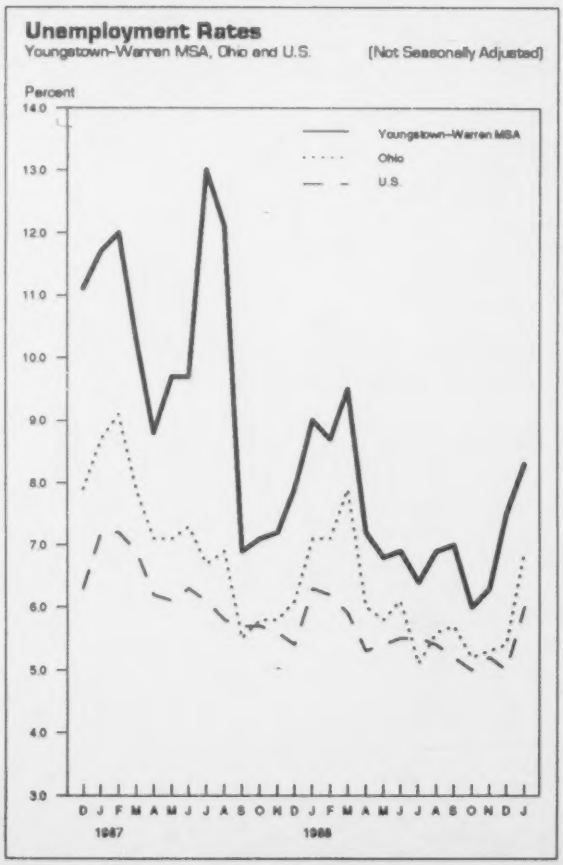
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



In the Youngstown-Warren metropolitan area, nonfarm payroll employment totaled 193,000 in February, down 300 from the January 1989 level. Nonmanufacturing employment increased 100 as seasonal improvements in services and nonteaching personnel in state education outweighed reductions in retail trade and construction. Manufacturing employment, at 50,600, was down 500 from last month. Modest declines were noted in primary metal industries, transportation equipment, and electric and electronic equipment. Factory production workers averaged $13.67 per hour, down $.12 from January. Their average workweek of 42.9 hours was .6 hours shorter.

Nonagricultural wage and salary employment advanced 5,400 between February 1988 and February 1989. Services and retail trade were the primary growth industries. Improvements were also recorded in wholesale trade and construction. Modest expansion in primary metal industries, fabricated metal products, and nonelectrical machinery increased manufacturing employment 1,000 over the year.



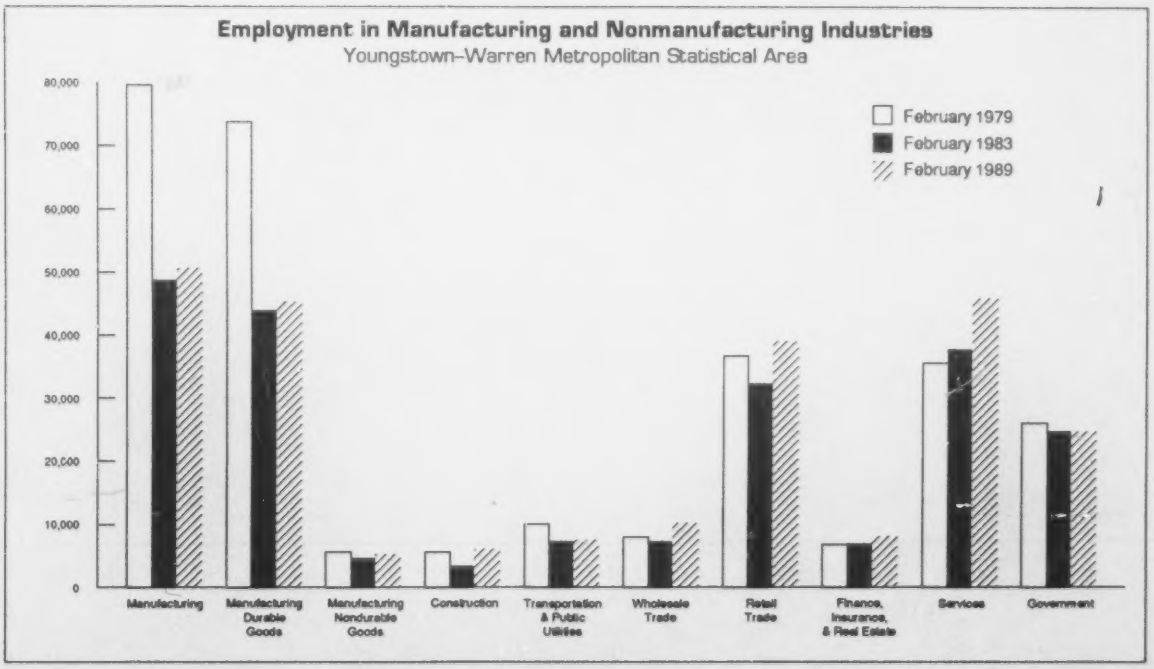


Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
220.6	200.8	19.8	9.0	January	187.2	49.4	37.6	557.61	41.8	13.34
221.5	202.1	19.3	8.7	February	187.7	49.6	37.7	554.86	41.5	13.37
222.6	201.4	21.2	9.5	March	189.4	50.0	38.1	557.86	41.6	13.41
220.1	204.2	15.9	7.2	April	192.1	50.4	38.6	570.46	42.1	13.55
220.2	205.3	15.0	6.8	May	195.6	50.7	38.8	593.45	43.7	13.58
223.3	207.8	15.6	7.0	June	196.9	51.1	39.2	582.08	42.8	13.60
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
225.1	206.4	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
INA	INA	INA	INA	February	193.0	50.6	38.6	586.44	42.9	13.67

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	From Last Month	From Last Year
Total	193.0	193.4	187.7	-.3	5.4
Manufacturing	50.6	51.1	49.6	-.5	1.0
Durable Goods[e]	45.3	46.0	44.6	-.7	.7
Primary metal industries	18.8	19.1	18.5	-.2	.3
Blast furnace and basic steel products	5.5	5.6	5.9	.0	-.4
Fabricated metal products	7.5	7.5	7.2	.0	.3
Machinery, except electrical	3.9	3.9	3.6	.0	.3
Electric and electronic equipment	2.3	2.4	2.4	-.1	-.1
Transportation equipment	9.7	9.9	9.8	-.2	-.1
Nondurable Goods[f]	5.3	5.1	5.0	.2	.3
Nonmanufacturing[g]	142.4	142.3	138.1	.1	4.3
Construction	6.1	6.4	5.6	-.3	.5
Transportation and Public Utilities	7.6	7.5	7.3	.1	.3
Communication, electric, gas services	2.8	2.8	2.9	.0	-.1
Wholesale Trade	10.3	10.3	9.7	.0	.6
Wholesale trade-durable goods	6.6	6.6	6.3	.0	.4
Retail Trade	39.1	39.6	38.0	-.6	1.0
General merchandise stores	5.0	5.4	5.2	-.3	-.2
Finance, Insurance, and Real Estate	8.2	8.2	8.1	-.1	.1
Banking	2.7	2.7	2.7	.0	.0
Services	45.9	45.2	43.5	.6	2.3
Health services	20.7	20.6	19.9	.1	.7
Hospitals	10.8	10.8	10.4	.0	.4
Government	24.7	24.4	25.2	.3	-.5
State government	4.6	4.1	4.5	.5	.1
State government education[i]	3.1	2.6	3.0	.5	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.0	18.2	18.6	-.1	-.6
Local government education	11.7	11.9	12.5	-.2	-.8
Local government, except education	6.3	6.2	6.2	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]	Feb. 1989[b]	Jan. 1989[c]	Feb. 1988[c]
Manufacturing	$586.44	$599.87	$554.86	42.9	43.5	41.5	$13.67	$13.79	$13.37
Durable Goods[e]	601.25	614.51	567.95	43.1	43.8	41.7	13.95	14.03	13.62
Primary metal industries	640.28	658.16	606.94	42.6	43.3	41.6	15.03	15.20	14.59
Blast furnace and basic steel products	607.45	595.19	660.78	44.6	43.7	47.3	13.62	13.62	13.97
Fabricated metal products	581.62	599.42	540.47	43.6	44.6	41.1	13.34	13.44	13.15
Machinery, except electrical	509.95	511.15	486.49	43.4	43.8	42.6	11.75	11.67	11.42
Electric and electronic equipment	475.80	448.27	451.67	41.7	39.6	40.4	11.41	11.32	11.18
Transportation equipment	663.35	682.28	621.78	44.7	46.1	42.5	14.84	14.80	14.63
Nondurable Goods[f]	421.20	417.90	399.50	40.5	39.8	38.9	10.40	10.50	10.27
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	563.60	566.21	538.56	40.2	40.1	39.6	14.02	14.12	13.60
Wholesale Trade	365.43	371.22	351.66	39.0	39.2	38.1	9.37	9.47	9.23
Retail Trade[h]	181.58	177.37	171.60	29.1	28.7	28.6	6.24	6.18	6.00

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	2,117	2,066	2,048
Active File of Job Seekers	16,680	15,382	16,911
Referrals to Jobs	1,044	1,123	1,364
Placements	136	259	247
Job Openings Received	317	519	500
Job Openings Unfilled	590	581	599
Unemployment Insurance Program			
Initial Claims	2,727	4,208	4,013
Continued Claims	22,506	25,949	27,137
First Payments	1,727	2,358	1,868
Last Payments	240	249	276
Weeks Compensated	20,569	19,243	23,857
Benefits Paid	$3,052,043	$2,799,824	$3,525,554
Average Weekly Payment	$152.32	$150.23	$150.60

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	February 1989	January 1989	February 1988
New Applicants	39,842	41,943	38,003
Active File of Job Seekers	269,508	252,036	292,815
Counseling Interviews	999	1,098	1,084
Tests Administered	1,866	1,652	4,169
General Aptitude Tests	76	102	348
Proficiency Tests	335	329	413
Specific Aptitude Tests	346	338	1,110
Referrals to Jobs	24,630	20,202	20,640
Placements	4,366	4,344	4,802
Job Openings Received	9,402	11,070	9,454
Job Openings Unfilled	19,148	19,179	16,919

Selected Unemployment Insurance Activities

	Ohio		
	February 1989	January 1989	February 1988
Initial Claims	46,056	78,656	56,872
Continued Claims	455,561	510,882	577,761
First Payments	35,608	43,582	37,532
Last Payments	4,827	5,058	5,718[a]
Average Weekly Claimants	115,892	113,358	135,868
Average Weekly Benefit Recipients	102,045	90,229	119,232
Weeks Compensated	409,745	373,474	476,928
Benefits Paid	$64,091,210	$57,196,981	$73,408,382
Average Weekly Payment	$161.04	$158.55	$156.82
Continued Claims for Survey Week	117,635	115,460	137,622[a]
Insured Unemployment Rate	2.6	2.6	3.2
Net Contributions	$68,231,924	$17,519,587	$76,085,364
Active Employer Accounts	202,136	201,677	197,625

[a]Revised

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